SCH-a890 Series

A l l D i g i t a l

M o b i l e P h o n e

User Guide

Please read this guide before operating your phone, and keep it for future reference.

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SCH-a890 closed view

SCH-a890 open view

Quick reference

1) PHONEBOOK

1) Find
2) New
3) Group
4) My Name Card
5) Send V-card
6) My Phone #
7) Memory Info
8) Delete All

2) RECENT CALLS

1) Received
2) Dialed
3) Missed
4) Delete Call Logs
5) Call Timers

3) MESSAGES

1) New Text Msg
2) New Pix Msg
3) New Flix Msg
4) Voicemail
5) Inbox
6) Outbox
7) Saved/Draft
8) Web Alert
9) Msg Setting
0) Delete All

4) GET IT NOW

1) Launch Now

5) MOBILE WEB

1) Launch Web

6) MULTIMEDIA

1) Camera
2) Media Gallery

7) SETTINGS

1) Profile
2) Display
3) Security
4) Call Options
5) Shortcut List
6) Location
7) Phone Info

8) PLANNER

1) Calendar
2) To Do List
3) Alarm Clock
4) Time/Date
5) Memo Pad
6) World Time
7) Calculator

9) VOICE KIT

1) Voice Memo
2) Voice Setting
3) Voice Kit Active

* Shortcut menu can be customized. Press the left soft key ( ) Menu, then press 7 , 5 .

Quick reference (cont.)

Turn your phone on and off

Press and hold .

Enter/Exit Silent Mode

In standby mode, press and hold . To exit, press and hold . Standby mode is when service is found and the phone is idle.

Set call ringer volume

- In standby mode, press the volume key on the left side of the phone to set call ringer volume as desired.

View recent calls

In standby mode, press . Your recent calls appear in the display.

Change the wallpaper

1. In standby mode, press the left soft key ( ) **Menu**, then press , , , .
2. Use the navigation key to highlight the LCD (**Main** or **Sub**) you want to change, and then press .
3. If you choose **Sub LCD**, highlight the image you want, and then press .
4. If you choose **Main LCD**, press when **Photo Gallery** is highlighted, and select the folder that contains the photo you want as new wallpaper.
5. Highlight the photo and press .

Save a number (quickly)

1. In standby mode, enter the number to save using the keypad.
2. Press . With **New Entry** highlighted, press again.
3. Select the number type using the navigation keys, then press .
4. Enter a name for the entry using the keypad, then press .

View software and hardware information for your phone

- In standby mode, press the left soft key ( ) **Menu**, then press , . Software and hardware information for your phone appears in the display.

Introduction

Congratulations on your purchase of the Samsung SCH-a890 phone. Your new phone has many features, such as a large, high-resolution display, PIM (Personal Information Manager) functions, a built-in digital camera, and more. Please take time to read this guide and become familiar with your phone's many features.

Key features of the SCH-a890

- High speed data
- Global Positioning Technology
- Large 176 x 220 pixel color display
- Digital Camera with Flash
- Digital Video Recorder
- Video Viewing and Download
- PIM functions (Scheduler, To Do List, etc.)
- 2-Way Short Message Service
- Pix/Flix Messaging - Multimedia Messaging Service (MMS)
- Voice Activated Applications
- 64 Polyphonic Ringtones

How to use this guide

The chapters of this guide generally follow the same order as the menus and sub menus in your phone. A robust index for quick reference to most features begins on.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 149.

Notes and tips

Throughout this guide icons and special text are used to highlight information about your new phone. These are intended to point out important notes, quick methods for activating features, or to define terms. The definitions for these methods are as follows:

Notes explain alternative options within the current feature, menu, or sub menu.

Tip: Tips provide quick or innovative methods for performing functions related to the subject at hand.

Fast Facts are like snippets from the glossary. Fast facts provides definitions in context and proximity to the menu or feature in question.

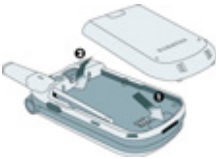
Important! Points out important information about the current feature that could affect performance, or even damage your phone.

Install the battery

This phone comes packaged with a partially charged rechargeable standard Li-Ion battery and desktop charger.

Important! Although the phone can be used while the battery is charging, the battery must be fully charged before first use; otherwise, you could damage the battery.

1. Insert the bottom end of the battery into the phone housing with the label side down. The gold contacts on the end of the battery should match up with those on the phone.



2. Push the top end of the battery down until it snaps into place.

Remove the battery

1. Press and hold to turn off the phone (if on).
2. Pull the battery release latch toward the top of the phone. The top of the battery should pop up slighty.

3. Use your finger to lift the battery (top end first) up and away from the phone.

Charge the battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. **Using other accessories may invalidate your warranty and may cause damage**.

Use the desktop charger

The desktop charger operates from a 120/220 VAC wall outlet. It also acts as a cradle to hold your phone in a convenient, easy-to-use position while charging.

1. Plug the AC plug from the desktop charger into a standard 120 VAC or 220 VAC wall outlet.
2. Slide your phone, bottom end first, into the desktop charger. Your phone begins charging and the battery image appears in the display.

You can use your phone while charging, however, the battery charges faster if the phone is turned off.

Battery indicator

The battery indicator ( ) in the upper-right corner of the display indicates battery power level. Three bars indicate a full charge, while an empty icon ( ) indicates an almost empty battery. Two to three minutes before the battery becomes too low to operate, a blinking empty battery icon ( ) appears and a tone sounds. If you continue to operate the phone without charging, it shuts down.

Understand your phone

The antenna

Avoid touching the antenna while your phone is on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than necessary.

Backlight features

You can choose the amount of time that the display and backlight remain illuminated after a period of inactivity. Keep in mind that increasing the time the backlight stays on will reduce the battery life between charging.

Folder Open enables the keypad or display backlight to remain on as long as the folder is open.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 5 JKL (**Backlight**). The following options display.

   LCD
   Keypad
   Power save
3. Use the navigation key to highlight **LCD** or **Keypad**, then press OK.
4. Use the navigation key to highlight the amount of time that you want the keypad or display to remain illuminated after a period of inactivity, then press OK.

Power save

Power Save allows you to affect the brightness/power settings for the **Main LCD and keypad**, as well as the **External LCD**. The default setting for Power Save is **Off**.

Main LCD and keypad

With Power Save **On**, the main LCD backlight is dim and the keypad backlight is off. If no buttons are pressed for 60 seconds, Power Save then turns the main LCD backlight off as well.

External LCD

With Power save **On** and the flip closed (while not in a call), the external LCD turns off to conserve power. WIth Power save **Off** and the flip closed (while not in a call), the external LCD remains on.

Turn Power Save On or Off

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 5 JKL (**Backlight**). The **Backlight** menu displays.
3. Use the navigation key to highlight **Power Save**, then press OK.
4. Use the navigation key to highlight **Off** or **On**, then press OK to save your settings.

Note

During a call with the Flip open, both LCD backlights turn off to conserve power, to turn the internal LCD back on, press CLR.

Soft keys

Functions for the soft keys are defined by what appears above each of them on the display. There are two soft keys:

- ( ) the **left soft key**
- ( ) the **right soft key**.

Left soft key

Some functions of the left soft key are as follows.

- When the left soft key function in the display is **Menu**, press the left soft key ( ) **Menu** to open the main menu list.
- When the left soft key function is **Option**, press the left soft key ( ) **Option** to view options available for the feature you are using.
- When the left soft key function is **Edit**, press the left soft key ( ) **Edit** to edit a Phonebook contact or Profile setting.

Right soft key

Some functions of the right soft key are as follows.

- When the right soft key function is **Back**, press the right soft key ( ) **Back** to return to the previous menu.
- In standby mode, press the right soft key ( ) **Contacts** to open your Contacts list.
- In camera mode, press the right soft key ( ) **Gallery** to view stored pictures.

Clear key

The Clear key ( ) is used to erase or clear numbers, text, or symbols from the display. You can also use to return to a previous menu or to return to standby mode from any menu.

- If you enter an incorrect character, briefly press to backspace (and delete) the character.
- To erase the previous word in a sentence, press and hold .
- To back up one menu level, briefly press .
- To return to standby mode from any menu, press and hold until you return to standby mode.

Camera hot key

The camera hot key ( ), on the right side of the phone, activates the camera menu from standby mode.

- With the flip open, briefly press the camera hot key ( ) to activate the camera.
- With the flip open, press and hold the camera hot key ( ) to activate the video camera.

End key

- Press and hold to turn on your phone.
- Press and hold to turn off your phone.
- Briefly press once to disconnect a call, return to standby mode from any menu, or cancel the last input.

Headset connector

The headset connector, on the left side of the phone below the volume key, is the input jack for the hands-free headset. The stereo headset combines earbuds and a microphone in a convenient, lightweight unit so you can talk without using your hands.

Important! Use only the headset provided with the SCH-a890. This headset should not be used on any other phone.

- Before connecting the headset, gently lift the cover for the input jack to expose the connector inside. The cover remains attached when the headset is connected to your phone.

Service LED

The Service LED on your phone is turned off by default to conserve battery life, and it has the following functions.

- Flashes to indicate an incoming call or message.
- Lights momentarily when you power up the phone and flashes red when the phone is in need of a charge.
- Flashes to indicate you are in service in your coverage area.

Turn the service LED on or off

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 6 MNO (**Service LED**). **Off** and **On** appear in the display.
3. Use the navigation key to highlight your preference, then press OK.

Microphone

The microphone is next to the charger/ accessory input jack on the bottom end of the phone.

Alpha-numeric keypad

Use the alpha-numeric keypad to enter text, numbers, and special characters.

Earpiece

The earpiece, on the inside of the flip above the display, plays sounds such as key tones and alerts.

Speakers

The phone has two speakers, one above and to the right of the battery, and one on the back of the flip. These speakers play sounds such as ring tones and alerts but at a volume higher than the earpiece.

Send key

The Send key (SEND) is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

- Press SEND once to answer calls.
- Enter a number and briefly press SEND to connect a call.
- Briefly press SEND in standby mode to display a list of recently dialed numbers.
- Press SEND to pick up a call waiting. Press SEND again to switch back to the other call.

Navigation key

Use the directional keys on the navigation key to browse menus, sub menus, and lists. Each key also acts as a shortcut to launch applications. The up navigation key is user-definable. Press OK when replying to prompts, and jumping to highlighted links on the web.

External (Sub) LCD

The external (Sub) LCD is a full-color display that displays caller information, signal and battery strength, as well as other indicators of status.

- To turn on the backlight for the external LCD, just press and hold either the volume keys or the camera key until the light comes on.

Your phone's display

The top line of the display is reserved for icons that indicate network status, battery power, signal strength, and more. The following table lists some display icons and their descriptions.

Display icons

Signal strength: Always appears when your phone is on and indicates the current signal strength. More lines indicate a stronger signal.

Auto Answer: Automatic answer is enabled. With the earmic plugged in, your phone automatically picks up any calls after the designated time.

No service indicator: Your phone cannot find a signal because you're outside a service area. You cannot make or receive calls. Wait for a signal or move to an open area to find a signal. This indicator always appears when you first turn on your phone and disappears once service is located.

Roaming indicator: Your phone is outside your home area. While roaming, another wireless provider may be handling your call. The service rate for the call may be higher than those made from within your home area. Please refer to Verizon Wireless for roaming rates.

In Use: Indicates a call in progress. When dialing a number, this icon flashes until the call connects.

New Message: You've received a new text, page or web alert message. You're also notified of a new message by animations and sound.

New Voice Message: You/ve received a new voice message or you have one or more unread voice mail messages in your voice mailbox. (Only applicable on Verizon Wireless Network.)

1X Protocol: Indicates your phone is using the 1X protocol.

1X protocol is available only in the Verizon Wireless network.

Ev-Do protocol: Indicates you phone has high speed data services, which is required for video streaming and downloads.

Vibrate mode: Your phone vibrates upon receiving a call.

Battery strength: More black bars indicate a greater charge. When the battery is low, an empty battery icon flashes and the phone sounds an alert, which indicates your phone is about to shut down.

Alarm clock: The alarm clock is set.

Ringer On: Your phones call ringer is turned on.

Ringer off: Your phones call ringer is turned off.

DST Set: If you use the Dual Clock World Time wallpaper for your display, you must set Daylight Savings Time (DST) for your Home and Visiting areas.

GPS: Global Positioning Service (GPS) for 911 is set to **On** for emergency calls only.

GPS: Global Positioning Service is set to **On** for location and 911 calls.

Silent mode: The ringer is silenced for all alerts, incoming calls, and incoming messages. The phone alerts you to these by vibration and a flashing service LED.

Dialogue boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low memory. Dialogue boxes and their definitions are outlined in the following table.

Icon	Category	Examples
Question	Choice	“Save message draft?”
	Reconfirm	“Delete all received messages?”
Information	Performing	“Sending...” “Connecting...”
	Completed	“Message sent successfully!”
	Information	“New Message”
Warning	Error	“System error!”
	Warning	“Battery Low,” “Memory Full!”

Getting started

Obtain service for your phone

Contact Verizon Wireless and follow their instructions for obtaining service. We suggest that you read this guide to fully understand the services your phone supports.

Turn your phone on

1. Open the flip, then press and hold END for two or more seconds.

As with any other radio-transmitting device, do not touch the antenna as it affects call quality and may cause the phone to operate at a higher power level than is necessary.

---

2. Your service provider's name momentarily appears in the display and the phone begins searching for a network signal.
3. Once the phone finds a signal, the time, date, and day appear in the display.
4. You're now ready to place and receive calls.

If the phone is outside of the Verizon Wireless coverage or roaming area, appears in the top of the display.

Turn your phone off

- Press and hold END for two or more seconds. Your phone powers off.

If your phone is on and you press END for less than a second, the phone will not power off. This prevents your phone from being turned off accidentally.

Text entry mode

Enter content using any of the four text entry modes.

1. At any text entry screen, press left soft key ( ) **Option**. A pop-up menu appears in the display with **ABC** highlighted.
2. Use the left/right navigation keys to display the optional text entry modes of **Symbol**, **123**, and **T9 Word**.
3. Once the desired method of text entry appears, press to use that mode of text entry in your message.

Standby mode

Standby is the state of the phone once it has found service and is idle. The phone goes into standby:

- After you power it on.
- When you press after a call.
- Anytime you press while browsing your phone's menus and sub menus.

Silent mode

Silence all tones and alerts normally made by the handset. In this mode, the handset vibrates instead of making sounds.

Enter Silent mode

- In standby mode, press and hold . **Entering Silent Mode** briefly appears in the display and your phone returns to standby mode.

Exit silent mode

- In standby mode, press and hold . **Exiting Silent Mode** briefly appears in the display and your phone returns to standby mode.

Vibrate mode

- In standby mode, repeatedly press the volume key ( ) down until **Vibrate** appears in the display. The volume key is on the left side of phone.

Ringer volume

1. In standby mode, repeatedly press the volume key ( ) on the left side of the phone up or down. Options are:

   - **Silent**
   - **1 Beep**
   - **Vibrate**
   - **Level 1**
   - **Level 2**
   - **Level 3**
   - **Level 4**
   - **Level 5**
   - **Vib+Ring**

2. Press to save the setting. The phone returns to standby mode.

The vibrate icon ( ) appears in the display whenever the phone is in **Vibrate** or **Vib+Ring** mode.

Place calls

1. With the phone on, enter the number you want to call using the keypad.
2. Press to place the call.

If you dial 911, your phone does not prompt you to confirm that you're dialing an emergency number.

Receive calls

When you receive a call, the phone displays one of the following:

- If the caller can be identified, the caller's number (or name if it's in your Phonebook) appears in the display.
- If the caller can't be identified, **Call from unavailable #, Call from restricted #,** or no number appears in the display.

Tip: Assign pictures to Phonebook entries. The entry's assigned picture appears in the display when you receive a call from that entry. See "Assign a picture to a phonebook entry" on page 38.

Your phone continues to notify you of the call until one of the following events occur:

- You answer the call.
- The calling party ends the call.
- The call is sent to voicemail.

Press SEND to answer the call.

Receive calls while using a feature

If you receive a call while browsing menus and sub menus, or while using a feature, the caller's number (or name, if it's in your Phonebook) appears in the display as well as the options **Silent** and **Ignore**.

- Press the left soft key ( ) **Silent** to silence the ringer. If the call goes unanswered, it will eventually be sent to voicemail.
- Press the right soft key ( ) **Ignore** to send the call directly to voicemail.
- Press SEND to answer the call.

Receive calls when using Get It Now or Mobile Web

If you receive a call while using a Get It Now application or Mobile Web, the application is put on hold during the call. Once the call ends, you are prompted to resume your session.

Call notification features

Your phone notifies you of calls in a variety of ways.

- Nine ring volume settings including **Silent, 1 Beep**, **Vibrate**, **Calls Level 1-5**, or **Vib + Ring**.
- Different ring types to distinguish callers.
- Name display with Caller ID. (If the caller's name is in your Phonebook).
- Received or missed calls are automatically stored to a call log. The last 20 calls you answered are stored in an received call log list and the last 20 calls you missed are stored in a Missed call log list.

Silence an incoming ringer

- During an incoming call, press the up or down volume key to silence the ringer.

Reject an incoming call

Rejected calls are immediately forwarded to voice mail.

- During an incoming call, press the right soft key ( ) **Ignore**. The call is forwarded to your voice mailbox.

Voicemail

Voice mail allows callers to leave voice messages, which can be retrieved any time.

Once your voicemail account is set up, you can use the Voicemail folder (under the Messages menu) to view details of voice messages in your voice mailbox. See “Voicemail” on page 74 for more information.

Voicemail setup

1. In standby mode, press and hold 1 or enter *, 8 TUV, 6 MNO or dial your own mobile number to dial voice mail.
2. Press # to interrupt the greeting.
3. Follow the prompts in the new user tutorial to setup your mailbox.

Listen to voicemail

1. In standby mode, press and hold 1 soft key, enter *, 8 TUV, 6 MNO, or dial your own mobile number to dial voicemail. After connecting, you will hear your voice greeting.
2. Interrupt your greeting by pressing #.
3. You are then prompted to enter your password.

Menu navigation

Access menus using the navigation key in tandem with the left and right soft keys, or use a shortcut.

1. In standby mode press the left soft key ( ) **Menu**. The main menus appear in the display.

Initially, when you press the left soft key ( ) **Menu**, your main menus display as small icons arranged in a 3x3 matrix. You can change this by modifying how your menus display under **Settings** > **Display** > **Style** sub menu.

---

2. Use the navigation keys to browse phone menus.
3. Press OK to enter the menu or sub menu presently appearing in the display.

Return to the previous menu

- Press the right soft key ( ) **Back** to return to the previous menu.
- If **Back** does not appear in the display, press CLR to return to the previous menu.

Navigate using shortcuts

You can also access menus and sub menus using menu numbers. To use “shortcut,” press the left soft key ( ) **Menu**, then enter the menu and/or sub menu number(s) for the feature you want. The “Menu shortcuts” on page 27 lists the menu shortcut number for most features.

1. In standby mode, press the left soft key ( ) **Menu**.

2. Press the number of the menu, sub menu, and so on to arrive at the desired feature.

Example: *Press the left soft key ( ) for **Menu**, then press 8 TUV (**Planner**), 2 ABC (**To Do List**).*

Navigation key shortcuts

In standby mode, press a navigation key (as illustrated below) to launch its corresponding application.

* Shortcut menu can be customized. Press the left soft key ( ) Menu, then press 7 PQRS, 5 JKL.

The in-use option

Access numerous menus and features even while in a call.

If the call is disconnected while accessing the In-Use Option, the In-Use Option disappears from the display and the phone eventually returns to standby mode.

1. While in a call, press the left soft key **Option** ( ). The menu items in the following table appear in the display.

In-Use Option	Function
Contacts	Open the Phonebook and view contacts.
Recent Calls	Display the recent call menu for incoming, outgoing, and missed calls.
Message	Open the Messages menu.
Key Tone On/Off	Turn keypad tones on or off.
My Phone #	View the phone number assigned to your phone by Verizon Wireless.
Phone Info	View the software and hardware version information for your phone.
Voice Privacy	When enabled this turns on advanced voice encryption.
Location	Turn the GPS setting to Location on or 911 only.
Voice Memo	Record a voice memo.

2. Use the navigation key to highlight a menu. Press to open the highlighted menu or to activate the feature.

Menu shortcuts

Use the menu shortcuts on the following pages to quickly access menus and sub menus. Press the left soft key ( ) **Menu**, then press the number to the right of the menu to jump to that menu, sub menu, or feature. For example, to jump to the Outbox sub menu, press the left soft key ( ) **Menu**, then press 3 DEF (**Messages**), 6 MNO (**Outbox**).

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4) Alerts
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Phonebook

Up to 500 entries can be stored in phone memory. Each entry in the Phonebook can have up to five numbers, an e-mail address, and a URL associated with it. Phone number can be up to 32 digits long, including hard pauses, while an email address can have 48 characters and names can be up to sixteen characters long. The memory (speed dial) location of your choice for each entry can also be specified.

Tip: 1-Touch, **2-Touch**, and **3-Touch** dialing allows you to call numbers stored in your Phonebook quicker.

Open contacts

From standby mode, you can quickly open the Contacts list. Contacts is a quick way of viewing entries you've stored in the Phonebook.

- In standby mode, press the right soft key ( ) **Contacts**. Your list of Phonebook entries appears in the display.

Open the phonebook menu

The Phonebook menu provides access to powerful features such as adding Groups, creating and sending V-cards, and viewing the phone number assigned to your phone by Verizon Wireless.

1. In standby mode, press the left soft key ( ) **Menu**, then press 1 (**Phonebook**). The Phonebook sub menus listed in the following table appear in the display.

Menu	Function
Find	Find a phone number By Name, By Entry, or By Group.
New	Add a number, e-mail, or web address to your Phonebook.

Menu	Function
Group	Create, view, rename, or send a message to your groups.
My Name Card	Create a business card, which can then be sent to others as an attachment.
Send V-card	Send your Name Card or an entry in your Phone-book to a compatible phone
My Phone #	View the 10-digit number assigned to your phone by Verizon Wireless.
Memory Info	Display available memory for your phone.
Delete All	Delete all of your Phonebook entries.

2. Use the navigation key to highlight the Phonebook sub menu of your choice, then press OK.

Phonebook icons

You can assign a host of entries to a Phonebook contact. The icons in the following table represent all available entry types.

Icon	Description
	Name icon. Enter the name for the entry in this field.
	Location icon. Assign a memory location for the entry in this field.
	Mobile icon. Enter a mobile number for the entry in this field.
	Home icon. Enter a home number for the entry in this field.
	Work icon. Enter the work number for the entry in this field.
	Fax icon. Enter a fax number for the entry in this field.
	Pager icon. Enter a pager number for the entry in this field.
	E-mail icon. Enter an e-mail address for the entry in this field.

Icon	Description
	URL icon. Enter a web address for the entry in this field.
	Group icon. Select an available group to associate with the entry in this field.
	Speed dial icon. Choose the speed dial number for this field.
	Melody icon. Select a melody to associate with the entry in this field.
	Company icon. Enter the name of the company for the entry in this field.
	Job Title icon. Enter a job title for the entry in this field.
	Memo icon. Enter a text memo for the entry (up to 48 characters) in this field.

Edit a phonebook entry

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 1 (**Find**).
3. Use the navigation key to display the search method that you want to use (**By Name**, **By Entry**, or **By Group**).
4. Enter information to find the entry, or use the navigation key to highlight the entry that you want to edit.
5. Once the entry is highlighted, press OK.
6. Use the navigation key to highlight the number, e-mail address, or other field that you want to edit, then press the left soft key ( ) **Option**.
7. A pop-up menu appears in the display with **Edit** highlighted. Press OK.

- Press CLR to backspace and delete numbers, text, or symbols.

- Press and hold CLR to erase all numbers in the highlighted field.
- Use the keypad to re-enter numbers, text, or symbols.

8. When you're finished editing the entry, press OK. Your changes are saved.

Pauses

Calls to automated systems often require a password or account number. Instead of manually entering numbers each time, store the numbers to your Phonebook along with special characters called pauses.

- **P pause**: A hard pause stops the calling sequence until further input from you.
- **T pause**: A two-second pause stops the calling sequence for two seconds and then automatically sends the remaining digits.

Entering multiple two-second pauses extends the length of a pause. For example, two consecutive two-second pauses cause a total pause time of four seconds. Keep in mind pauses count as digits towards the 32-digit maximum.

Store pauses to a phonebook entry

1. In standby mode, enter the number you want to store.
2. Press the left soft key ( ) **Option**. The following pause menu options appear in the display.

   P pause **T pause**

P pause is a hard pause (awaits input from you) and **T pause** is a two-second pause.

3. Use the navigation key to highlight the pause option of your choice.
4. Press OK to enter the highlighted pause into your number sequence.
5. When you're finished entering numbers and pauses, press OK to store the number to your Phonebook.

Pause dial from the phonebook

1. If you stored the number using (two-second) T pause(s), simply recall the number from the Phonebook.
2. If you stored the number using (hard) P pause(s), recall the number from the Phonebook and wait for the appropriate prompt from the number you are calling (credit card number, bank account number, etc.).
3. Press SEND to dial the number.

Manual pause calling

To manually call a number with pause(s) without storing it to the Phonebook:

1. Enter the number you want to call.
2. Press the left soft key ( ) **Option** to display the pause option pop-up menu.
3. Use the navigation key to highlight the desired pause option.
4. Press OK to enter the highlighted pause into your number sequence.
5. Press SEND to call the number.

Tip: Store pauses along with the number if you plan to call the number frequently.

Erase individual phonebook entries

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 1 (**Find**).
3. Use the left/right navigation keys to display the search method that you want to use (**By Name**, **By Group**, etc.).
4. Enter information to find the entry, or use the navigation key to highlight the entry that you want to erase, then press OK.
5. Once the entry is highlighted, press the left soft key ( ) **Option**. A pop-up menu displays **Edit** and **Delete**.
6. Use the navigation key to highlight **Delete**, then press OK. A confirmation screen displays.
7. Press the left soft key ( ) **Yes** to delete the entry, or

   Press the right soft key ( ) **No** to return to the **Phonebook** menu.

Speed dialing

Speed dialing allows you to press and hold a key (or keys) to dial the number associated with those key(s). There are three types of speed dialing; 1-touch, 2-touch, and 3-touch dialing.

Note 1 is reserved for voicemail, but it can be edited. Your phone also reserves 311 and 411 for special features like directory service.

1-touch dialing

Call phone numbers assigned to memory locations 001 - 009 by pressing and holding keys 1 - 9, respectively. For example, to speed dial the number assigned to location 2, press and hold 2 ABC until the name and number appear in the display and the number is dialed.

2-touch dialing

Call phone numbers assigned to keys 010 through 099 by briefly pressing the first key, then pressing and holding the second key. For example, to speed dial the number assigned to 013, briefly press 1, then press and hold 3 DEF until the number dials.

3-touch dialing

Call phone numbers assigned to memory locations 100 through 500 by briefly pressing the first and second keys, then pressing and holding the third key. For example, to dial location number 113, briefly press 1, 1, then press and hold 3 DEF until the number dials.

Assign a speed dial location

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 1 (**Find**).
3. Use the left/right navigation keys to display and select the Find method (**By Name**, **By Group**, etc.).
4. Enter the information you want to find into **Find** or use the navigation keys to highlight the entry you want, then press OK.

5. Use the navigation keys to highlight the speed dial location field and press the left soft key ( ) **Edit**.
6. Enter the speed dial location using the keypad.

You can also use the left and right navigation keys to browse for available speed dial locations.

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7. Press OK to save your changes.

Assign speed dial type to an entry

If you have more than one number (or type, such as **Mobile** or **Office**) for a Phonebook entry, you can select which number you want to be dialed when speed dialing the entry.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 1 (**Find**).
3. Use the navigation key to select the find method (**By Name**, **By Group**, etc.).
4. Enter information to find the entry, or use the navigation key to highlight the desired entry.
5. Press OK.
6. Highlight **SpeedDial** using the navigation key, then press the left soft key ( ) **Edit**.
7. Use the left and right navigation keys to select the desired number (type) for speed dialing.
8. Press OK. Your changes are saved.

Assign a picture to a phonebook entry

When you assign a picture to a Phonebook entry, the picture that you assigned to the entry appears in the display when you receive a call from that entry.

You can save pictures to the **Default Gallery** or **Photo Gallery** gallery when you take a picture.

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1. In standby mode, press the left soft key ( ) **Menu**, then press 6 MNO (**Multimedia**), 2 ABC (**Media Gallery**), 1 (**Photo Gallery**), 2 ABC (**Photo ID**).
2. Use the navigation key to display or highlight the picture that you want to assign to the Phonebook entry.
3. Press the left soft key ( ) **Option**. A pop-up menu appears in the display.
4. Use the navigation key to highlight **Assign**, then press OK.
5. Use the navigation key to highlight **Phone Book**, then press OK. Your Phonebook entries appear in the display.
6. Use the navigation key to highlight the entry to which you want to assign the picture, then press OK. The picture is assigned to the selected entry.

Store numbers after a call

Once you've finished a call, you can store the number of the caller to your Phonebook.

If the call was incoming and Caller ID information was unavailable, then the store option is also unavailable.

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1. After you press to end your call, the call time, length of call, phone number, and name of the party (if available) appear in the display.
2. Press the right soft key ( ) **Save**. You're prompted to confirm this as a **New Entry**, or **Add Existed Entry**.
3. Follow the on-screen prompts to designate other information.

Store a number in standby mode

Store a phone number by entering the number in standby mode, then press . Follow the screen prompts to assign number types and other information.

Find a stored name

If you've stored a name entry to your Phonebook **Find** allows you to locate it quickly.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press (**Phonebook**), (**Find**).
3. Use the left/right navigation keys to select the method by which to find the entry.

The Find methods listed in the following table appear in the display.

Find	Function
By Name	Search the Phonebook alphabetically by name. Enter the name of the person as they are entered in your Phonebook.
By Entry	Search the Phonebook by entry number.This is the same number assigned to Speed dial (002, 003, etc.).
By Group	Search the Phonebook by selecting from one of the available groups. This option only works if you've added entries to one of the groups.

More information on each of these methods is available in the following sections.

By Name

1. Enter the name of the person *as they are entered in your Phonebook*. For example, if you saved the name as Amy Smith, begin the search by pressing 2 ABC (for "A"). As you enter characters, the closest matches to the characters that you enter appear in the display.
2. When the desired entry appears in the display, highlight the entry using the navigation key.
3. Press OK to view information about the entry.
4. Press the left soft key ( ) **Option** to display the options listed in the following table.

Option	Description
Edit	Edit details of the highlighted name.
Delete	Erase the name and associated information.

5. Use the navigation key to highlight an option, then press OK to enter the highlighted option's sub menu.

By Entry

This option allows you to find a stored entry by location (or speed dial) number.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 1 (**Find**).
3. Use the left/right navigation keys to display **by Entry**.
4. Enter the location number using the keypad. Entries appear in the display below the entry field.
5. Use the navigation key to highlight the entry. Press OK to display information about the entry.
6. Press the left soft key ( ) **Option** to display the options listed in the following table.

Option	Description
Edit	Edit details of the highlighted name
Delete	Erase the Name and associated information

7. Use the navigation up/down keys to highlight an option, then press OK to enter the option's sub menu.

By Group

This option allows you to find a stored entry in a related group.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 1 (**Find**).
3. Use the left/right navigation keys to display **By Group**.
4. Press the navigation key down briefly to highlight the group field.

5. Use the left/right navigation keys to display the group that you want to search. As each group displays, entries assigned to the group are listed.
6. Use the navigation key to highlight the desired entry.
7. Press OK to display information about the entry.
8. Press the left soft key ( ) **Option** to display the options listed in the following table.

Option	Description
Edit	Edit details of the highlighted name
Delete	Erase the Name and associated information

9. Use the navigation up/down keys to highlight an option, then press OK to enter that option's sub menu.

New phonebook entries

When you add information to your Phonebook, you can add it as a new entry or as an existing entry.

Method 1

1. In standby mode, press the left soft key ( ) **Menu**, then press 1 (**Phonebook**), 2 ABC (**New**). The Phonebook opens, the cursor blinking in the **Name** field.
2. Enter a name for the entry using the keypad.
3. Use the navigation key to highlight the speed dial location field ( ).
4. Use the left/right navigation keys to select an available speed dial location, if desired.
5. Use the navigation key to highlight the appropriate type (**Mobile**, **Home**, **Office**, **E-mail**, etc.). Once highlighted, use the keypad to enter required information.

6. Use the navigation key to highlight other type fields and complete them, if desired. Enter information using the keypad.

Once you've entered a character into any of the type fields, press the left soft key ( ) **Option** to display a pop-up menu which allows you to enter a **P Pause** or **T Pause**.

---

7. When you're finished entering information for the entry, press OK to save the entry to your Phonebook.

Method 2

You can add new numbers to the Phonebook by simply entering the number while the phone is in standby mode, then following the necessary prompts to complete the process.

1. In standby mode, enter the number that you want to save using the keypad, then press OK. You're prompted to select from **New Entry** or **Add Existed Entry**.
2. Press 1 to save the number as a **New Entry**,
   – or –
   Press 2 ABC to select **Add Existed Entry** and add the number to an existing phonebook entry.
3. If you selected **New Entry**, proceed to step 5 to select the number type. The following types are available.

   Mobile Home Work Fax Pager
4. If you selected **Add Existed Entry**, proceed to step 8.
5. Use the left/right navigation keys to display the desired type, then press OK. The Phonebook opens.

6. Enter a name for the entry using the keypad. Press the left soft key ( ) **Option** if you want to select a different method of text entry, such as **ABC**, **T9 Word**, **Symbol**, or **123**.
7. When you're finished entering information for the entry, press OK. The entry is saved to your Phonebook.
8. If you selected **Add Existed Entry**, the Phonebook opens in **Find** mode.
9. Once you've highlighted the entry you want to add the number to, press OK. The number is added to the selected entry and saved to your Phonebook.

Phonebook groups

You can place any Phonebook entries into categories called "Groups." Groups allow you to search your Phonebook faster, quickly send messages to one or more group members, and more. There are five groups that are pre-defined; however, you can add more groups if you want.

By default, new entries to your Phonebook are placed into the **No Name** Group unless another group is specified.

View groups

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 3 DEF (**Group**). The following pre-defined groups display. If you add more groups, they are listed here too.

   No Name
   Family
   Friends

Colleague
Business

3. Use the navigation key to highlight the desired group, then press to enter the group and view its contents.

Move an entry to another group

1. In standby mode, press the left soft key ( ) **Menu**, then press (**Phonebook**), (**Group**). The following pre-defined groups display. If you add more groups, they are listed here too.

   No Name
   Family
   Friends
   Colleague
   Business

2. Use the navigation key to highlight the group containing the entry that you want to move, then press .
3. The group name appears in the top of the display, with its contents (entries) listed below.
4. Use the navigation key to highlight the entry that you want to move to another group.
5. Press the left soft key ( ) **Option**. A pop-up menu appears in the display with **Change Group** highlighted.
6. Press . You're given the option to select the group to which you would like to move the entry.
7. Use the left/right navigation keys to select the destination group, then press . The entry is moved to the selected group.

Create a new group

In addition to the five groups already in your phone, you can create an additional five groups. New groups can be named anything you like as long as their names are within the 12-character limit.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 3 (**Group**). Your existing groups display.
3. Press the left soft key ( ) **Option**. A pop-up menu appears in the display with **New Group** highlighted.
4. Press OK. The New Group dialogue box appears in the bottom of the display.
5. Enter a name for the group using the keypad. Press the left soft key ( ) **Option** to select another mode of text entry, if desired.
6. Press OK. The new group is saved.

Rename a group

The five default groups cannot be renamed. However, any of the groups that you create can be renamed as long as their names are within the 12-character limit.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 3 (**Group**). Your existing groups display.
3. Use the navigation key to highlight the group that you want to rename.
4. With the desired group highlighted, press the left soft key ( ) **Option**. A pop-up menu appears in the display.

5. Use the navigation key to highlight **Rename Group**, then press OK. The Rename dialogue box appears in the display.
6. Enter a name for the group using the keypad. Press the left soft key ( ) **Option** to select the text entry mode.
7. Press OK. Your changes are saved.

Delete a group

The five default groups cannot be deleted. However, any of the groups that you create can be deleted anytime.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 3 DEF (**Group**). Your existing groups display.
3. Use the navigation key to highlight the group that you want to delete, then press the left soft key ( ) **Option**.
4. Highlight **Delete Group**, then press OK. A message displays asking you to confirm the deletion.

Note

All entries within the group will be deleted. Move the entries to another group before deleting the group if you want to keep the entries.

---

5. Press the left soft key ( ) **Yes** to delete the group and all entries within, or press the right soft key ( ) **No** to return to the group list.

Send text messages to group members

Use Send Message in the Group feature to send a message to as many as 10 members of a group at once.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 3 DEF (**Group**). Your existing groups display.
3. Use the navigation key to highlight the group to which you want to send a message.
4. Press the left soft key ( ) **Option**. A pop-up menu appears in the display.
5. Use the navigation key to highlight **Send Message**, then press OK. Those members of the group with a mobile number or e-mail address appear in the display.
6. Use the navigation key to highlight a group member that you want to send a message to, then press the left soft key ( ) **Mark** to add them to the message distribution list.
7. Repeat step 5 until everyone you want to receive the message is added to the distribution list.

You can mark up to 10 members of a group for message distribution. If you try and mark an 11th member, you'll be notified that 10 addresses have already been selected.

---

8. Press OK. A pop-up menu appears in the display with **Text Msg** highlighted.
9. Press OK. The list of addresses (or numbers) to which the message will be delivered displays.

10. Press OK. The message entry screen appears in the display.
11. Using the keypay, enter the message content, then press OK to send the message.

Send a pix or flix msg to group members

Only available within Verizon Wireless Enhanced Services Area.

1. Follow steps 1 through 8 in the previous section entitled “Send text messages to group members” .
2. With **Text Msg** and **Pix Msg** appearing in the pop-up menu, use the navigation key to highlight **Pix Msg**, then press OK.
3. The list of addresses (or numbers) to which the message will be delivered appears in the display.
4. Press OK. The Pix Msg composer appears in the display with the options listed in the following table.

Option	Function
Add Message	Add text to the Pix Msg.
Add Sound	Add sound to the Pix Msg.
Add Image	Add an image to the Pix Msg.
Add Subject	Add a subject to the Pix Msg.
Attach	Attach a Name Card or an entry in your Phone-book to the message.

5. Use the navigation keys to highlight the desired option.
6. Use the navigation keys to enter the option’s sub menu and perform the function listed. Once you’ve finished

adding the desired content to your Pix Msg, you're returned to the Pix Msg composer.

7. Press OK to send the Pix Msg. The Pix Msg is sent to the intended recipients.

My Name Card

My Name Card allows you to create a virtual business card. Once completed, you can send the card to recipients as a V-card attachment.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 4 GHI (**My Name Card**). My Name Card opens with the cursor blinking in the name field.
3. Enter information in each of the fields as desired. Use the navigation key to move between fields, then use the keypad to enter information.
4. When finished, press OK to save the V-card.

Send V-card

Once you've created a V-card, you can send it to another compatible Verizon Wireless phone or any e-mail address.

The following steps outline sending a V-card by going through each and every option for adding images, sounds, and messages to the V-card. If you want to send the V-card without such additional information, press OK after step 4.

---

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 5 JKL (**Send V-card**). A pop-up menu displays with **My Name Card** highlighted.

3. Press 1 to select **My Name Card** or press 2 ABC to select and send an entry from your **Phonebook**.
4. If you selected **My Name Card**, press OK to send the V-card. The **Send** field displays.
5. Enter a Verizon Wireless phone number or any e-mail address using the keypad, then press OK. The Pix Msg composer displays.

To enter special characters necessary for an e-mail address, press the left soft key ( ) **Option** to display a pop-up menu where you can select from a variety of characters.

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6. The **Add Message** field is highlighted. Press the right navigation key to enter the message composer.
7. Enter a message using the keypad, then press OK.
8. Press the down navigation key to highlight the **Add Sound** field.
9. Press the right navigation key to display the **Add Sound** menu. Choose from four options:
   - Preloaded Melody
   - My Sounds
   - Voice Memo
   - Record Voice

   Once you've selected a sound from the Add Sound menu, you're returned to the Pix Msg composer.
10. Press the down navigation key to highlight the **Add Image** field, then press the right navigation key to display the Add Image menu, where you can select from a variety of image options to enhance your V-card.

11. Once you've returned to the Pix Msg composer, press the down navigation key to highlight **Add Subject**.
12. Press the right navigation key if you want to enter a subject for the V-card, or press the right soft key ( ) **Back** to cancel entering a subject.
13. Once you've returned to the Pix Msg composer, press OK to send the V-card. **Sending...** appears in the display as the V-card is sent to the intended recipient.

My Phone

My phone # displays the ten-digit number assigned to your phone by Verizon Wireless.

- In standby mode, press the left soft key ( ) **Menu**, then press 1 (**Phonebook**), 6 MNO (**My Phone #**). The phone number assigned to your phone by Verizon Wireless displays.

Memory info

Memory Info displays the Total, Used, Reserved, and Free memory for the Phonebook.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 1 (**Phonebook**), 7 PQRS (**Memory Info**). Memory information for your Phonebook displays.
3. Use the navigation up/down keys to scroll through the information in the display, if desired.

Delete all

Delete All allows the deletion of all entries in your Phonebook.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press (**Phonebook**), (**Delete All**). You're prompted to enter the lock code.
3. Enter the lock code. The default lock code is the last four digits of your phone number. The phone prompts you to confirm the deletion of all entries.
4. Press the left soft key ( ) **Yes** to delete all Phonebook entries, or press the right soft key ( ) **No** to return to the Phonebook menu.

Recent calls

Use Recent Calls to view received, dialed, and missed calls for your phone. You can also use Recent Calls to erase your call history and view Call Timers.

Functionality of Recent Calls is dependent upon availability with the service provider's network and whether or not Caller ID is enabled.

View recent calls

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 2 ABC (**Recent Calls**).
3. Press the corresponding number on the keypad to view call logs for the following call types:

   1 for **Received**, 2 ABC for **Dialed**, 3 DEF for **Missed**.

Recent calls menu options

While viewing recent calls, you have options such as saving recent call numbers to your Phonebook, sending messages to recent call numbers, and prepending (editing) numbers before saving.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 2 ABC (**Recent Calls**).
3. Press the corresponding number on the keypad to view call logs for the following call types:

   1 for **Received**, 2 ABC for **Dialed**, 3 DEF for **Missed**.

4. With the desired call log appearing in the display, press the left soft key ( ) **Option**. A pop-up menu appears in the display with the options listed in the following table.

Option	Function
Save Number	Save the number as a new entry or save to an existing entry in your Phonebook.
Delete	Delete the number from your Recent Calls list.
Mark & Delete	Mark and delete only selected calls.
Send Message	Send a text message or Pix/Flix Msg to the number.

5. Use the navigation keys to highlight an option.
6. Press OK to perform the highlighted function.
7. Follow the prompts as necessary to complete the function.

Tip: To quickly view recently dialed and received calls, press SEND with your phone in standby mode.

Delete call logs

Use Delete Call Logs to delete calls from any or all call logs.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 2 ABC (**Recent Calls**), 4 GHI (**Delete Call Logs**).
3. Use the navigation key to highlight the call log type that you want to delete, then press OK. You're prompted to confirm that you want to delete all the calls in the log you selected.
4. Press the left soft key ( ) **Yes** to erase the selected call log, or press the right soft key ( ) **No** to return to the **Delete Call Logs** sub menu.

Delete all call logs

You can use the Delete Call Logs to clear all calls in each call log at one time.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 2 ABC (**Recent Calls**), 4 GHI (**Delete Call Logs**).
3. Press 4 GHI (**All Calls**). A confirmation message, “Delete All Call Logs?” displays.
4. Press the left soft key ( ) **Yes** to clear all of your call logs, or press the right soft key ( ) **No** to return to the **Delete Call Logs** menu.

Call timers

Use the Call Timers menu to view various timers for calls made and received from your phone. You can also reset any of your call timers, with the exception of the Lifetime timer.

The Lifetime timer retains a log of all calls made since the purchase of your phone and cannot be reset. The other totals in your call timers are provided for your reference and do not necessarily reflect the actual billing times recorded by your service provider.

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1. In standby mode, press the left soft key ( ) **Menu**, then press 2 ABC (**Recent Calls**), 5 JKL (**Call Timers**).

The sub menus listed in the following table display.

Option	Function
Last Call Timer	View the duration of your last call.
Total Received	View the duration of total incoming calls received since last erased.
Total Dialed	View duration of calls dialed from your phone since last erased.
Lifetime	View duration of all calls on your phone since activation (LifeTime timers cannot be erased).
Reset Timer	Reset the Last Call Timer, Total Received, or Total Dialed timers.

2. Use the navigation key to highlight the desired sub menu.
3. Press OK to perform the function for the highlighted option or to enter its sub menu and make changes as desired.

Messages

Your phone is capable of sending and receiving messages with other compatible phones and devices. Before you send messages, it's best to cover the basics of composing messages using the four entry modes, **ABC**, **Symbol**, **123**, and **T9 Word**.

Available memory is shared between all messages. You can store up to 50 incoming/outgoing text messages, 20 incoming/outgoing pix messages, and 40 pix message notifications. However, the exact number depends upon message length.

Text entry modes

Messages can contain alphabetical characters, symbols, and numbers. The methods for text entry are described below:

Text Entry Mode	Function
ABC	Alphabetical text entry mode. The options are: **ABC** - All uppercase **Abc** - Initial caps **abc** - All lower case
123	Number entry mode. Enter numbers by pressing the corresponding key on the keypad.
Symbol	Symbol entry mode. Enter symbols into your message by pressing the corresponding number that appears above it in the display.
T9 Word	Predictive text mode. Press each key only once to enter the letter of the word that you're spelling. The T9 Word options are: **T9ABC** - All uppercase **T9Abc** - Initial caps **T9abc** - All lower case

The current mode of text entry is indicated in the lower right corner of the display.

Change text entry modes

1. While composing a text message, press the left soft key ( ) **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
ABC	Choose the method of text entry.
Quick Text	Choose from up to 17 messages (11 are pre-composed as factory defaults, but all 17 can be edited).
Add Number	Add a number from your Phonebook.
Send Option	Choose the priority, validity, privacy, and other options for your message.
Save in Draft	Save the message to your Drafts folder.
Edit Send To	Edit the Send To number of your recipient.
Save Text	Save the text in your message to Quick Text for later use.

2. **ABC** is highlighted. Use the navigation left/right keys to choose from one of the other three text entry modes of **123**, **T9 Word**, and **Symbol**. Each text entry mode is explained in greater detail in the following sections.

ABC mode

- Enter characters while in ABC mode by pressing the key that contains the desired characters (for “H”).
- Press the key repeatedly to cycle through other available characters for that key.
- Pause briefly when the desired character appears in the display to accept the character and therefore insert it into the message.
- Press to enter a space.
- To cycle between uppercase, lower case, and initial caps for characters in ABC mode, briefly press .

T9® Word text entry

T9 Word recognizes the most commonly used word for any sequence of keypresses and inserts that word into your message. It's much faster than the traditional method of text entry (ABC) and *requires only one key press per letter* of the word that you're spelling.

1. In standby mode, press the left soft key ( ) **Menu**, then press 3 DEF (**Messages**), 1 (**New Text Msg**) to compose a new text message.
2. Enter the phone number or email address of the recipient, then press OK.
3. Press the left soft key ( ) **Option** to display a pop-up menu containing text entry mode options.
4. **ABC** is highlighted. Use the left/right navigation keys to display **T9 Word**, then press OK.

   Now, for practice, enter the word "Samsung" into your message by pressing each of the following keys *only once*:

S A M S U N G

T9 Word recognizes that the most frequently used word for the sequence that you just entered is "**Samsung**." If more than one word shares the same sequence, T9 Word provides the most common choice. Press 0 to display other words in the dictionary, if available.

- Press * to enter a space.
- Press # briefly to cycle between uppercase, lower case, and initial caps ABC mode.

123 mode

Enter numbers into a text message while in number mode (**123**). See “Change text entry modes” on page 59 for instructions on changing text entry modes.

- While in 123 mode, press the key containing the number that you want to insert into your message.

Symbol mode

Symbol mode enables you to enter symbols such as **@** or **%** into a text message.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 1 (**New Text Msg**) to compose a new text message.
3. Enter the phone number of the recipient, then press OK.
4. Press the left soft key ( ) **Option** to display a pop-up menu containing the following options.

Option	Function
ABC	Choose the method of text entry.
Quick Text	Choose from up to 17 messages (11 are pre-composed as factory defaults, but all 17 can be edited).
Add Number	Add a number from your Phonebook.
Send Option	Choose the priority, validity, privacy, and other options for your message.
Save in Draft	Save the message to your Drafts folder.
Edit Send To	Edit the Send To number of the recipient.
Save Text	Save the text in your message to Quick Text for later use.

5. **ABC** is highlighted. Use the left/right navigation keys to display **Symbol**, then press OK. The first of four screens containing symbols appears in the display.

6. Use the navigation left/right keys to page through the other symbols, if necessary.
7. Enter the key that corresponds with the symbol that you want to enter. For example, press 4 GHI for an exclamation point (**!**).
8. Repeat steps 3 through 6 to insert as many symbols into your message as desired.

Send text messages

Up to 10 recipients may be entered as the destination of a message.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Then press 3 DEF (**Messages**), 1 (**New Text Msg**) to compose a new text message.
3. Enter the phone number of the recipient, or press the left soft key ( ) **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
ABC	Choose from ABC, 123, T9 Word, and Symbol modes of text entry.
@	Insert the @ symbol (for email), or select one of the domain suffixes of .com, .edu, .org, and .net.
Phonebook	Select recipients from your Phonebook.
Group	Select recipients from one or more of your groups.
Recent Calls	Select recipients from one or more recent calls.
Save Address	Save the address you just entered to the Phone-book.

4. After selecting or entering your recipients in the Send To field, press OK. The message composer appears in the display.

5. Compose your message using the keypad. At any point while composing a message, press the left soft key ( ) **Option** to display the options listed in the following table.

Option	Function
ABC	Choose the method of text entry.
Quick Text	Choose from up to 17 messages (11 are pre-composed as factory defaults, but all 17 can be edited).
Add Number	Add a number from your Phonebook.
Send Option	Choose the priority, validity, privacy, and other options for your message.
Save in Draft	Save the message to your Drafts folder.
Edit Send To	Edit the Send To number of your recipient.
Save Text	Save the text in your message to Quick Text for later use.

6. Use the navigation key to highlight an option. Press OK to perform the function for the option, or to enter its sub menu.

7. To send the message, press OK.

Send option

This option allows you to change many of the settings used when a message is sent, such as the message priority, validity, and its privacy setting.

1. At the message composer screen, press the left soft key ( ) **Option**. A pop-up menu appears in the display.

2. Use the navigation key to highlight **Send Option**, then press OK. The Send Option categories and options listed in the following table appear in the display.

Category	Options	Function
Priority	Normal Urgent	Assign a priority to your message.
Validity	None 30 Min 1 Hour 2 Hours 12 Hours 1 Day 2 Days 3 Days 5 Days	Select the period of time that you want the message to be available to the recipient. After the set period of time, your message is recalled.
Privacy	Not Restricted	Default setting.
Insert Signature	Off On	Insert your pre-composed signature into the message.
Callback #	Yes No	Insert a number into your message for the recipient to call you back.
Enh. Delivery Ack.	Off On	Set to receive a message confirming delivery
Def. Delivery	Immediate Set Time	Choose when you want your message to be sent.

3. Use the up/down navigation keys to highlight a category. Once a category is highlighted, use the left/right navigation keys to browse through the options for the selected category.

4. When the desired option is highlighted, press OK to confirm the selection or to enter the option's sub menu.

Receive text messages

When you receive a message in standby mode, the message tone sounds, (unless turned off), and **New Text Msg** appears in the display along with the closed envelope icon ( ). The date and time of the message also appear in the display.

- Press the left soft key ( ) **Ignore** to return the phone to standby mode. The message is saved to your inbox where you can view it later.
- Press the right soft key ( ) **View** to open the message, where you have the option to **Reply, Forward**, **Delete**, **Save Address**, **Save Text**, or **Save Msg**.

Receive messages while in a call

When you receive a message while in a call, the **New Message** dialog box appears in the display along with the closed envelope icon ( ). You can view the message without disconnecting your call.

1. Press the left soft key ( ) **Ignore** to ignore the message. The message is saved to your inbox where you can view it later.
2. Press the right soft key ( ) **View** to open the message, your call remains connected.

Send pix msg

Only available within Verizon Wireless Enhanced Services Area.

You can add sounds and attach a V-card or Phonebook entry to your Pix Msg. This is also known as Multimedia Messaging (MMS).

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 2 ABC (**New Pix Msg**).
3. Enter the phone number or e-mail address of the recipient (or recipients) using the keypad.
4. Press the left soft key ( ) **Option** to display a pop-up menu the following options.

Option	Function
ABC	Change the text entry mode.
@	Enter a domain suffix for an email address.
TO/CC/BCC	Select recipient type.
Phonebook	Select an recipient stored in your phonebook.
OnlineAlbum	Send the pix/flix message to your online album.
Group	Send the pix/flix message to a group in your phonebook.
Recent Calls	Select a number from your recent calls list.
Save Address	Save an address or number entered to an existing or new entry in your phonebook.

Fast Fact

CC and BCC are acronyms for **Carbon Copy** and **Blind Carbon Copy**. Use **CC** to copy recipients normally. Use **BCC** to copy recipients that you don't want others in the list to see.

Note

You can send a Pix or Flix Msg to up to ten recipients. Separate each recipient's address or phone number with a space in the **Send to** field of the Pix Msg composer.

5. Press OK once you've finished entering the number or e-mail address of the recipients in the **To**, **CC**, or **BCC** fields. The Pix Msg composer appears in the display with the **Add Message** field highlighted.

6. Press the right navigation key to add a message.
7. Compose your message, then press OK. You're returned to the Pix Msg composer.
8. Press the down navigation key to highlight **Add Sound**, and then press the right navigation key to add a sound to your message.
9. Use the navigation key to highlight the type of sound you want to insert into your message, then press OK.
10. Browse available sounds using the navigation key, then press OK. You're returned to the Pix Msg composer.
11. Press the down navigation key. **Add Image** is highlighted.
12. Press the right navigation key to browse available images. Use the navigation and OK keys to highlight and select available images, or to take a picture.
13. Press the down navigation key once to highlight the **Add Subject** field, and the press the right navigation key to display the Subject composer.
14. Enter a subject using the keypad, then press OK. You're returned to the Pix Msg composer.
15. Press the down navigation key until **Attach** is highlighted, then press the right navigation key. A pop-up menu appears in the display.
16. Press 1 to insert your name card (if one exists)
    – or –
    Press 2 ABC to insert an entry from your Phonebook.
17. At the Pix Msg composer, press OK to send the message to the intended recipient(s).

Send a pix msg in camera mode

Only available within Verizon Wireless Enhanced Services Area.

You can send a Pix Msg to recipients with compatible Verizon Wireless phones, devices, or email. You can even accompany a Pix Msg with a voice memo or preloaded sound.

Tip: You can send a Pix Msg to up to ten recipients. Separate each recipient's address or phone number with a space in the **Send to** field of the Pix Msg composer.

1. In standby mode with the flip open, press the Camera button ( ) on the right side of the phone.
2. Using the display as a viewfinder, press OK to "take" your picture when the image you want appears in the display.

While using the display as a viewfinder, a row of icons appear in the bottom of the display, which represent picture quality, zoom settings, orientation of the display, brightness, and color. Use the left/right navigation keys to select an icon, then use the up/down navigation keys to select settings for brightness, color, and so on.

3. Press OK to "send" the picture, and then enter the Verizon Wireless phone number or e-mail address of the recipient.
4. Press OK. The Pix Msg composer appears in the display with the picture that you just snapped attached.

5. By default, the cursor is on **Add Message** field. Press the left soft key ( ) **Option** or the right navigation key to add a message.
6. Compose your message using the keypad, then press . You're returned to the Pix Msg composer.
7. Press the down navigation key. **Add sound** is highlighted.
8. Press the right navigation key to display these items:

Option	Function
Preloaded Melody	Add a sound that came preloaded on your phone to the message.
My Sounds	Add a downloaded melody to the message.
Voice Memo	Add a saved voice memo to the message.
Record Voice	Record a new voice memo to add to the message.

9. Use the up/down navigation keys to highlight an option, then press . A pop-up menu displays. Press ( ) to exit without inserting a sound.
10. Press the down navigation key twice to move the cursor to the **Add Subject** field, then press the right navigation key to add a subject.
11. Enter a subject for the message using the keypad, then press . You're returned to the Pix Msg composer.
12. Use the navigation key to highlight **Attach**, then press the right navigation key. A pop-up menu displays.
13. Press to insert your name card (if one exists)

    – or –

    Press to insert an entry from your Phonebook.

14. Once you've inserted a name card or an entry from your Phonebook, you're returned to the Pix Msg composer.
15. Press OK (**Send**) to send the message. **Sending...** appears in the display and a progress bar indicates the send status.

Receive a pix msg

Only available within Verizon Wireless Enhanced Services Area.

When you receive a new Pix Msg, **Pix Msg** appears in the display along with the options **Reject**, **Down**, and **Later**. To reject, download, or view the Pix Msg later on the Verizon Wireless website, review the instructions for each in the sections that follow.

For the options to **Reject**, **Down**, and **Later** to appear in the display when you receive a Pix Msg, retrieval mode must be set to **Prompt** instead of **Automatic** in the Message Settings sub menu.

Reject a pix msg

1. When you receive a new Pix Msg, press the left soft key ( ) **Reject**. You're prompted for a confirmation.
2. Press the left soft key ( ) **Yes**, and the message is rejected.

If you select **No**, you're returned you to the previous menu.

Download a pix msg

Only available within Verizon Wireless Enhanced Services Area.

1. When you receive a new Pix Msg, press OK (**Down**). **Downloading...** appears in the display.
2. After downloading, the image (and text if any) contained in the Pix Msg appear in the display.
3. Use the navigation keys to scroll through the message or view the entire picture if necessary.

View a pix msg later (online)

Only available within Verizon Wireless Enhanced Services Area.

1. When you receive a new Pix Msg, press the right soft key ( ) **Later**.
2. To view the message, press the left soft key ( ) **Menu**.
3. Press 3 DEF (**Messages**), 5 JKL (**Inbox**).
4. Use the navigation key to highlight the unopened message, then press OK. Specific directions for viewing the picture online at the Verizon Wireless website appear in the display.

Send flix msg

Only available within Verizon Wireless Enhanced Services Area.

You can add a message, a video, and a subject to your Flix Msg. This is also known as Multimedia Messaging (MMS).

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 3 DEF (**New Flix Msg**).
3. Enter the phone number or e-mail address of the recipient (or recipients) using the keypad.
4. Press the left soft key ( ) **Option** to display a pop-up menu that provides the following options.

Option	Function
ABC	Change the text entry mode.
@	Enter a domain suffix for an email address.
TO/CC/BCC	Select recipient type.
Phonebook	Select an recipient stored in your phonebook.
OnlineAlbum	Send the pix/flix message to your online album.
Group	Send the pix/flix message to a group in your phonebook.
Recent Calls	Select a number from your recent calls list.
Save Address	Save an address or number entered to an existing or new entry in your phonebook.

CC and BCC are acronyms for **Carbon Copy** and **Blind Carbon Copy**. Use **CC** to copy recipients normally. Use **BCC** to copy recipients that you don't want others in the list to see.

You can send a Pix or Flix Msg to up to ten recipients. Separate each recipient's address or phone number with a space in the **Send to** field of the Pix Msg composer.

5. Press OK once you've finished entering the number or e-mail address of the recipients in the **To**, **CC**, or **BCC** fields. The Flix Msg composer appears in the display with the **Add Message** field highlighted.
6. Press the right navigation key to add a message.
7. Compose your message, then press OK. You're returned to the **Flix Msg** composer.
8. Press the down navigation key to highlight **Add Video**, and then press the right navigation key to add a video to your message. You can either take a video or select one from the **Video Gallery**.
9. To take a video, press OK to select **Take Flix**. The video camera is activated.
10. Press OK to begin recording. When finished, press OK again. The video is saved and added to your **Flix** message.
11. To choose a saved video, use the navigation key to highlight **Video Gallery**, and press OK.
12. Choose one of the **Video Gallery** folders, and press OK.
13. Browse available videos using the navigation key, and press the right soft key ( ) Add to add the video to your **Flix** message.

14. Press the down navigation key once to highlight the **Add Subject** field, and then press the right navigation key to display the Subject composer.
15. Enter a subject using the keypad, then press . You're returned to the Flix Msg composer.
16. Press to send the message to the intended recipient(s).

Message folders

There are different types of message folders and these are explained in more detail in the following sections.

Voicemail

Voicemail allows callers to leave voice messages that you can retrieve at any time. Once your voicemail account is setup, you can use the Inbox folder to view details of voice messages in your voice mailbox.

New voicemail alerts are sent via a text message and indicate how many new and urgent voicemails are in your box. If a caller leaves a callback number, this number will also be sent via a text message.

Receive Voicemail messages

When you receive a new voicemail message you'll hear a sound and a text message appears in the display.

1. Press the left soft key ( ) to **Ignore**, or press the right soft key ( ) to **View** and open the details about the new message.

View Voicemail messages in the Voicemail folder

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 4 GHI (**Voicemail**).
3. Use the navigation key to highlight the message that you want to view.
4. Press OK to view details of the highlighted message.

   For Voicemail options, the right soft key is **Back**, and the left soft key is **Listen**. If you select **Listen**, you access your voicemail system and retrieve your messages.
5. To return to the Message menu, press the right soft key **Back**.

Note For more message options, please see “Inbox” on page 75.

Inbox

Except for voicemail, your received messages are stored in the Inbox folder.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 5 JKL (**Inbox**).
3. Use the navigation key to highlight the message that you want to view, then press OK to view the contents.
4. While viewing a message in your **Inbox**, press the left soft key ( ) **Option** to display a list of menu options.

Since the options listed depend on the type of message you are viewing, the following table is a complete list of the options available.

Option	Function
Reply	Reply to the message.
Forward	Forward the message to another recipient.
Delete	Delete the message and its contents.
Save Address	Save the number of the sender to your Phone-book as a new entry or add to an existing entry.
Save Text	Save only the text within the message.
Save Image	Save the image to My Photo folder in the Photo Gallery.
Save Video	Save the video to My Video folder in the Video Gallery.
Save Sound	Save only the sound within the message.
Save V-card	Save an attached address entry to your phone-book.
Save Msg	Save the message to the Saved/Draft folder.
MSG Details	View the details for a pix or flix message, such as its size, the message subject, etc.

Not all options in the table above display for each type of message. Only the options for the type of message you are viewing in your Inbox display.

5. Use the navigation key to highlight an option. Press OK to perform the function for the highlighted option.

Outbox

Your phone stores messages in the Outbox, regardless of whether the message was successfully transmitted.

Review messages in the Outbox

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press (**Messages**), (**Outbox**). Any sent messages appear in the display.
3. Use the navigation key to highlight the message that you want to review, then press .
4. While viewing the message, press the left soft key ( ) **Option** to display the options listed in the following table.

Option	Function
Resend	Resend the message to the original recipient.
Delete	Delete the message.
Save Msg	Save the message to the Saved/Draft folder.

5. Use the navigation key to highlight the desired option.
6. Press to perform the function for the highlighted option.

Messages and Lock Mode

Your phone still receives messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Saved/Draft

Saved/Draft messages are those that have been composed but never sent. You can return to the Saved/Draft folder at any time to view, edit, or send a Saved/Draft message.

Create a draft text message

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 1 (**New Text Msg**).
3. Enter the phone number of the recipient, then press OK.
4. Compose your message using the keypad, then press the left soft key ( ) **Option**. A pop-up menu appears in the display.
5. Scroll down with the navigation key until **Save in Draft** is highlighted, then press OK. A confirmation message appears in the display and your message is saved to the Saved/Drafts folder.

View and edit Draft messages

1. In standby mode, press the left soft key ( ) **Menu**
2. Press 3 DEF (**Messages**), 7 PQRS (**Saved/Draft**). Any draft messages that you've composed appear as a list in the display.
3. Use the navigation key to highlight the message that you want to view, then press OK. The message opens in the **Send To** field with the address or number of the intended recipient.
4. Press OK. The message composer opens.
5. Use the Clear key (CLR) to backspace and delete characters in a text message or use the navigation key to select options in a pix or flix message you want to change.
6. Press the left soft key ( ) **Option** to display a list of editing options for the message displayed.

7. When you finish editing your message and the message composer screen displays, press OK to send the message, if desired.

Web alert

Contact Verizon Wireless for availability.

Occasionally, Verizon Wireless may send notifications to your phone in the form of Web Alerts. These alerts may contain information regarding new services or updates.

When you receive an alert, you will receive a text notification and hear an audible tone.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 8 TUV (**Web Alert**). Any web alerts that you have received appear in the display.

Message settings

The Msg Setting sub menu allows you to define default settings for all message types.

Text Msg Setting

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 9 WXYZ (**Msg Setting**), 1 (**Text Msg Setting**). The options listed in the following table appear in the display.

Option	Function
Quick Text	View and edit any of the pre-composed messages in your Quick Text list.
Save In Outbox	Set the default method for saving (or not saving) messages to your Outbox.

Option	Function
Insert Signature	Insert a signature into all outgoing text messages. You also have the option to create a signature.
Auto Play	Set media within messages to automatically play upon reception, or prompt before playing.
Auto View	Turn Auto View on or off. Auto View immediately displays the content of a message as it is received.

3. Use the navigation key to highlight the desired setting. Press OK to perform the function for the highlighted option or to enter its sub menu.

Pix Msg Setting

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 9 WXYZ (**Msg Setting**), 2 ABC (**Pix Msg Setting**). The options listed in the following table appear in the display.

Option	Function
Quick Text	View and edit any of the pre-composed messages in your Quick Text list.
Save In Outbox	Set the default method for saving (or not saving) messages to your Outbox.
Delivery Ack	Set your phone to alert you when messages are delivered (delivery acknowledgement may not be available on all networks).
Retrieval Mode	Set your phone to retrieve (download) a Pix Msg automatically or prompt you for retrieval.

3. Use the navigation key to highlight the desired setting. Press OK to perform the function for the highlighted option or to enter its sub menu.

Entry Mode

Use Entry Mode to select the default method of text entry.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 9 WXYZ (**Msg Setting**), 3 DEF (**Entry Mode**). The options listed in the following table appear in the display.

Option	Function
Alphabet	Enter text into messages using multiple keypresses.
T9 Word	Enter text into messages using T9 Word.

3. Use the navigation key to highlight the default method of text entry, then press OK. Your settings are saved.

Callback

Use Callback # to view or modify the callback #. The Callback # can be inserted into all outgoing messages, thereby notifying the recipient(s) of your phone number.

This feature is network dependent and is dependent upon whether or not Caller ID is enabled on your phone and may not be available in all areas.

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1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 9 WXYZ (**Msg Setting**), 4 GHI (**Callback #**). The callback # appears in the display.
3. Use the Clear key (CLR) to backspace and delete numbers.

   – or –

   Press the right soft key ( ) **Back** to exit without making changes.

4. Enter a new callback # number using the keypad, then press OK to save your changes.

AUTO DELETE

Use Auto Delete to set the disposal method of messages after they are read.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 9 WXYZ (**Msg Setting**), 5 JKL (**Auto Delete**).

   The options listed in the following table appear in the display.

Option	Function
Auto Delete	If memory is full, the first message received after the memory becomes full is automatically deleted.
Not Delete	Do not delete messages after they are read.

3. Use the navigation key to highlight the desired option.
4. Press OK to select the highlighted option. Your changes are saved.

VOICE MAIL

Use Voice Mail # to view or modify your voice mail number.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 3 DEF (**Messages**), 9 WXYZ (**Msg Setting**), 6 MNO (**Voice Mail #**). ***86** appears in the display.
3. Use the Clear key (CLR) to backspace and delete numbers.

   – or –

   Press the right soft key ( ) **Back** to exit without making changes.

Insert a pause into a voice mail number

While viewing the voice mail number, press the left soft key ( ) **Option** to display a pop-up menu with these options:

Option	Function
P Pause	Insert a “hard” pause into the dialing string. The phone waits for input from you before dialing resumes.
T Pause	Inserts a short, 2.5 second pause into the dialing string. The phone pauses for 2.5 seconds before dialing resumes.

4. Press . Your changes are saved.

Memory Info

Memory Info allows you to view the Total, Used, and Free memory for the phone.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press (**Messages**), (**Msg Setting**), (**Memory Info**). The **Total**, **Used**, and **Free** memory displays.

Delete all

Delete All erases all messages within a selected folder.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press (**Messages**), (**Delete All**).
3. Use the navigation key to highlight the folder containing the messages that you want to delete, the press . You’re prompted to confirm the deletion.
4. Press the left soft key ( ) **Yes** to delete all messages within the folder. Press the right soft key ( ) **No** to return to the folder list.

Get It Now

Only available within Verizon Wireless Enhanced Services Area.

With Get It Now, you can download full featured applications such as games, personalized ring tones, and pictures. You can also use it to send and receive instant messages, email, or browse the web to catch up on all the latest information.

If you receive a call while using Get It Now, the application is put on hold during the call. Once the call ends, your Get It Now session resumes where you left off.

1. In standby mode, press the right navigation key. The Shopping Cart icon ( ) appears in the display.
2. Press OK (**Start**). After a brief pause, the Get it Now options listed in the following table appear in the display.

Option	Function
What's New	Provides updates on the latest games, information services, etc.
Get Fun and Games	Select from a broad category of games you can play on your phone or select from several fun and interesting applications.
Get Tones	Download your favorite ring tones.
Get Going	Download applications that keep you in touch with the world, keep you organized, and help you find the coolest spots.
Get Pix	View, share your own pictures and even save them as your phone's wallpaper or screensaver.
Get Messaging	Check e-mail on some of the most popular clients on the Internet.
Search	Enter a keyword and search the Get It Now catalogue.

3. Use the navigation key to highlight the category of your choice, then press OK.
4. Select the application you want to download and follow the online directions.

Get It Now settings

Use the **Settings** sub menu within Get It Now to manage, move, order applications, and more.

1. In standby mode, press the right navigation key to launch Get It Now.
2. At the Get It Now menu, use the navigation key to highlight **Settings**, then press OK. The options listed in the following table appear in the display.

Option	Function
Order Apps	Change the order of your applications folder.
Move Apps	Move previously downloaded applications between the Main Menu, Work, and Fun folders.
Manage Apps	View System Info, Application List, Properties for each application, and other options.
Main Menu View	Select whether you want to view the main Get It Now menu in a list or icon format.
Screen Savers	View downloaded screensavers.
View Log	View the Get It Now log, which displays information about recent activity using Get It Now.

3. Use the navigation key to highlight an option.
4. Press OK to enter the option's sub menu and view or change settings.

Remove applications

You can remove applications to free up space for other applications.

1. At the Get It Now menu, press the right navigation key once to highlight **Settings**, then press OK.
2. Use the navigation key to highlight **Manage Apps**, then press OK. Any applications that you've downloaded to your phone appear in the display.
3. Use the navigation key to highlight the application that you want to remove, then press OK.
4. Highlight the **Remove** icon, then press OK.
5. Highlight **Yes**, then press OK. The application is removed.

Mobile Web

Only available within the Verizon Wireless Enhances Services Area.

Your SCH-a890 utilizes **Mobile Web 2.0**, allowing you to conveniently surf the web using your phone.

- Each time you launch Mobile Web, your phone connects to the Internet and the service indicator icon appears in the display.

If you receive a call while using Mobile Web, the application is put on hold during the call. Once the call ends, your Mobile Web session resumes where you left off. Only available within the Verizon Wireless Enhances Services Area

Any time the service indicator icon is visible, you are connected to the Internet and billed accordingly. Rates and prices vary according to your service contract. For further information on billing contact Verizon Wireless. Only available within the Verizon Wireless Enhances Services Area

Launch Mobile Web

Only available within the Verizon Wireless Enhances Services Area.

1. In standby mode, press the left navigation key. Mobile Web and a list of categories (representing one or more web sites) appears in the display.

2. Use the navigation key to browse the categories.
3. Once the desired category is highlighted, press OK to enter the category list.

Exit Mobile Web

- Press END to exit Mobile Web.

Navigate the web

Only available within the Verizon Wireless Enhances Services Area.

When you use Mobile Web some of the keys operate differently than during a normal phone call.

Mobile Web presents on-screen items in any of the following ways:

- Text or numeric input
- Links (embedded in content)
- Numbered options (some options may not be numbered)
- Simple text

You can act on the options or links by using the soft keys.

Mobile Web soft keys

Only available within the Verizon Wireless Enhances Services Area.

The bottom of the Mobile Web display contains your browser commands. The left ( ) and right ( ) soft keys on the keypad are used to perform the commands in the display. These are called “soft keys” because their function changes depending where you are in the application.

How Mobile Web keys work

The following table lists Mobile Web keys and their functions.

Key	Name	Function
	Naviga-tion Key	Use the navigation key to browse lists and highlight options.
	Clear Key	A browser back-up key. Press once to back up one page. Press and hold to go back to Mobile Web home page. Press to clear the last number, let-ter, or symbol entered. Press and hold to completely clear the display.
	Asterisk/ Shift Key	Press before entering text to enable upper case characters (in Abc mode).
	0/Next Key	Press to enter a zero (0), or to dis-play another word in the dictionary when in T9 Word entry mode.
	Pound/ Space Key	Press to insert a space when enter-ing text.
	Numbers 1 - 9	Use the number keys to select items in a menu if they are numbered.
	END Key	Press to exit Mobile Web and return the phone to standby mode.
	Left Soft Key	Press the left soft key to go to the highlighted web link and/or perform the function above it in the display.
	Right Soft Key	The right soft key is the Menu key. Press this key to display a pop-up menu with several options.
	SEND Key	Press to dial a highlighted number.

Links

Only available within the Verizon Wireless Enhances Services Area.

Links can serve several purposes, such as jumping to a different page, to a different site, or initiating a phone call. Links are shown underlined inside of brackets ([ ]). Normally, the left soft key ( ) is used to select a highlighted link.

Place a call while using Mobile Web

Only available within the Verizon Wireless Enhances Services Area.

You can place a call while using Mobile Web if the website supports this feature. Press the appropriate soft key to call the number. In most cases you can also press SEND to call the number. The Internet connection terminates when you initiate the call. After you end the call, your phone returns to standby mode.

Multimedia

Take full color digital pictures, display them on your phone's vivid color display, and share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera – just take a picture, view it on the display, and send it to up to ten people, right from your phone. Use the Image Retouch feature to resize, adjust hue, or define the sharpness of your pictures.

Sending pictures is only available within Verizon Wireless Enhanced Services Area.

VCast

VCast, the next generation wireless technology that unveils a whole new multimedia experience at your fingertips, provides access to vibrant, full-color content from some of the biggest names in entertainment. VCast is your link to video on demand allowing you to choose from breaking news, sports highlights, weather and more.

Browsing, Selecting and Playing Video Clips

1. Press the right navigation key to display the **Get It Now** menu.
2. Highlight the **VZW Media Player** icon, and then press .
3. Use the left or right navigation keys to view the available categories for the video on demand clips.

You can choose from the following categories:

Name	Function
NEWS	Choose news clips from NBC News and CNN.
ENTER-TAINMENT	Choose entertainment clips from E! and Sesame Street or view “just for fun” clips.
SPORTS	Choose up to the moment sport clips from Fox Sports and ESPN.
WEATHER	Choose breaking weather news or view National and sports weather clips from AccuWeather.com.

4. After choosing the category you want, select a content provider and press OK. Choose a sub category, if applicable.
5. Use the navigation key to highlight a video and read its description. Press OK to view the clip.
6. Highlight **Yes** to accept charges, then press OK. After connection and buffering occurs, the video clip begins playback.

Downloading a Video Clip

1. Lanch the **VZW Media Player** and select a video you want to save. For information about lanching your video player and choosing a video clip, review the previous section, “Browsing, Selecting and Playing Video Clips” above.
2. Read the description of the video clip you want to download, then press the right soft key **Options**.
3. Highlight **Save Video** and press OK.
4. Highlight **Yes** to accept charges, then press OK. The video download begins.

5. Once the download is completed, "**Download complete. Play video now?**" appears in the display.
6. Select **Yes** and press OK to view the video. The video clip is saved to **Video On Demand** in the **Media Gallery**.

Not all video content available can be downloaded to your phone; however, all content is available for viewing.

Deleting Video Clips

1. Launch the **VZW Media Player**. For information about lanching your video player, review "Browsing, Selecting and Playing Video Clips" on page 91.
2. Press the right soft key **Options**. **My Clips** is highlighted.
3. Press OK. The clips you have downloaded are listed.
4. Use the navigation key to highlight the video you want to erase and press the right soft key **Options**. **Erase** is highlighted.
5. Press OK. Highlight **Yes** when the confirmation screen displays, then press OK.

Configure Alerts for New Video Clips

1. Launch the **VZW Media Player**. For information about lanching your video player, review "Browsing, Selecting and Playing Video Clips" on page 91.
2. Use the right and left navigation keys to select the **Content** category for which you want to configure an alert.

3. Highlight a **Content Provider**, then press the right soft key **Options**.
4. Highlight **Alerts** and and press OK.
5. HIghlight **Configure Alerts** and and press OK.
6. Select the alert content you want, and then select to **Save**.

Fees apply for text messages/alerts both sent and received.

Taking pictures

Taking pictures with the built-in camera is as simple as choosing a subject, pointing the lens, and pressing a button. Open the camera menu by pressing the camera button (📷) on the right side of the phone.

1. In standby mode, press and release the camera hot key (📷) on the right side of the phone. The Camera is activated.
2. Point the camera at your subject, using the display as a viewfinder.
3. Press OK (**Take**). The picture that you snapped appears in the display.
4. Press the left soft key ( ) **Save** to store the pictures to your phone's picture gallery, or press the right soft key ( ) **Back** if you want to discard the picture.

Camera session options

When the camera is active, a group of icons line the bottom of the display. Use the left/right navigation keys to highlight an icon. Once highlighted, use the up/down navigation keys to change settings for the selected option. The following table lists the icons and a short description.

These icons represent settings for the current camera session only and do not affect how the camera operates in future camera sessions. If you want to change camera settings long-term, use the Camera Settings menu, (**Menu 6, 1, 3**).

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1. Once an icon is highlighted, press the up/ down navigation keys to change the settings.
2. When you're ready to snap a picture, press OK.

Saving pictures

1. After taking a picture, press the left soft key ( ) **Save**. You can save to the **Default Album, Photo ID** or an album you create yourself.
2. Use the left/right navigation keys to display and select the save location.
3. Once you've selected the save location, press the down navigation key to move the cursor to **Photo Name**.
4. Press CLR to backspace and delete any characters currently occupying the name field.
5. Enter a name for the picture using the keypad, then press OK. The picture is saved.

Taking videos

Your phone is capable of recording short videos (and audio) of up to 15 seconds in length. Saved videos are stored in the **Video Gallery**.

The number of videos you can store in the Video Gallery depends on their size, as well as other media, like pictures, saved in your phone's memory. Up to 16MB is available for media in your phone.

1. In standby mode, press and hold the camera key ( ) on the right side of the phone.
2. Press OK to begin recording video. You can record a video of up to 15 seconds.
3. To stop the recording before it reaches capacity, press OK again, or press the left soft key ( ) **Pause** to pause the recording.
4. To resume recording, press the left soft key ( ) **Resume**.
5. When you are finished recording, press the left soft key ( ) **Save** to save the video in the Video Gallery or press OK to **Send** it to someone.
6. For information on sending a saved video to someone, see "Send flix msg" on page 72.

Video gallery

Saved videos are stored in the **Video Gallery**. When you highlight a video in one of the **Video Gallery** folders, its name and image size appear in the bottom of the display.

1. In standby mode, press the left soft key ( ) **Menu**.

2. Press 6 MNO (**Multimedia**), 2 ABC (**Media Gallery**), 2 ABC (**Video Gallery**). The **Video Gallery** folders display.
3. Use the navigation key to highlight the **Video Gallery** folder you want, then press OK.
4. Use the navigation key to highlight the video you want, then press the right soft key ( ) **Play** to play the video.

   Press the left soft key ( ) **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
Mark	Mark the video as an attachment.
Power Animation	Assign the currently displayed or highlighted video as an opening and closing (power on or power off) graphic.
Set Wallpaper	Assign the currently displayed or highlighted video as the current wallpaper.
Online Album	Send the currently displayed or highlighted video to the OnlineAlbum.
Lock	Lock the video so that it cannot be erased.
Rename	Rename the video.
Move	Move the video to another folder in the Video Gallery.
Delete	Delete the video.
Delete All	When two or more videos are saved, use this to erase all the videos in the selected album.
Video Info	View the title, when created, size, quality, and length of the video.

5. Use the navigation key to highlight the option of your choice.
6. Press OK to perform the highlighted option's function or to enter its sub menu.

Other camera features

The camera has a Media Gallery for browsing stored pictures, creative imaging features for picture enhancement, and more.

Media Gallery

Media of all types are stored in the Media Gallery. You can also view memory info for the Media Gallery to see how much space you've used (and have left) for stored media

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 2 ABC (**Media Gallery**). These sub menus appear in the display.

Sub Menu	Function
Photo Gallery	The Preloaded folder contains factory images, while My Photo and the Default Album are for storing general pictures. The Photo ID folder contains pictures that are used for photo identification like Caller ID. You can also define other folders if you want.
Video Gallery	Contains My Video, Video On Demand, and the Default Album used for videos that you either download on take with your phone. You can also define other folders if you want.
Sounds	Browse sounds preloaded on your phone or those that you've downloaded using Get It Now.
Animelody Gallery	View your list of animated melodies that you've downloaded using Get It Now.
Memory Info	View memory information for the Image Gallery, Photo Gallery, and Total used.
Delete All	Delete images, sounds, animelodies, or photos from any folder of the media gallery.

3. Use the up/down keys to highlight a sub menu or item. Press OK to enter the sub menu.

View the media gallery in thumbnails

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 2 ABC (**Media Gallery**), 1 (**Photo Gallery**).
3. Highlight the folder you want, then press OK. Browse the image galleries using the navigation key.
4. Press the right soft key ( ) **Expand** to view pictures full screen.
5. Press the left soft key ( ) **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
Panning	Display the actual pixel size of the photo, and then use the navigation key to pan or move to specific parts of the picture.
Image Retouch	Perform creative image enhancements to your photos.
OnlineAlbum	Send the currently displayed or highlighted picture to the OnlineAlbum.
Assign	Set the current photo as a wallpaper or assign it to an entry in your phone book.
Lock	Lock the photo so that it cannot be erased.
Rename	Change the name of the photo.
Move	Move the picture to another folder.
Delete	Delete the photo.
Delete All	When two or more photos are saved, use this to erase all the pictures in the selected album.
Image Info	View the title, when created, the file size, and image quality of the photo.

6. Use the navigation key to highlight the option of your choice.

Image retouch

Once you've saved a picture to the photo gallery, you can open and edit the picture using the Image Retouch option. Image Retouch allows you to perform creative image enhancements as listed in the following table.

Retouch Option	Function
Hue	Change the color attributes of the picture between red and blue.
Saturation	Increase or decrease the level of color in the picture.
Sharpness	Increase or decrease the sharpness of the picture.
Resize	Resize the picture from Photo ID (smallest) to as large as 320 x 240.
Rotate/Flip	Flip the picture vertically and horizontally in your phones display.
Gray scale	Remove all color from the picture.
Invert Color	Invert (reverse) colors in the picture.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 2 ABC (**Media Gallery**). 1 (**Photo Gallery**).
3. Highlight the folder that contains the image you want to retouch, then press OK.
4. Use the navigation key to highlight the saved picture.
5. Press the left soft key ( ) **Option**, then select **Image Retouch** from the pop-up menu.
6. Use the left/right navigation keys to highlight any of the retouch option icons in the bottom of the display.
7. Use the up/down navigation keys to change settings for the highlighted retouch options.

8. Press OK to save the picture with changes or press the right soft key ( ) **Back** to cancel.

Camera settings

Settings for features such as image size, quality, flash, and others keep you in control of how your camera operates.

Image size

Preset the size of your pictures using the Image Size setting.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 1 (**Pix Resolution**). The following options display.

   1280x960
   640x480
   320x240
   160x120
   Photo ID
3. Use the navigation key to highlight the desired image size and press OK. Your settings are saved.

Image quality

You can affect how much your photo is compressed, thereby reducing its file size.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 2 ABC (**Image Quality**).
3. Use the navigation key to highlight **High**, **Medium**, or **Low**.
4. Once the image quality of choice is highlighted, press OK. Your settings are saved.

Flash

The built-in flash may enable you to take pictures in low light. The flash is located on the outside of the flip, next to the camera lens.

When Flash, Resolution, and Color Tones are defined in the Settings menu, those settings are saved even if the phone is turned off. However, when these settings are defined in the current camera session using the icons at the bottom of the display, the settings are active only for that session.

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1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 3 DEF (**Flash**).
3. Use the navigation key to highlight **On**, **Off**, or **Auto**, then press OK. Your settings are saved.

Color

Change the appearance of your pictures with the **Color** feature. Choose from the five color settings of **Normal**, **Black & White**, **Sepia**, **Negative,** and **Solarize**.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 4 GHI (**Pix Color**).
3. Use the navigation key to highlight one of the color tones in the following table.

Color Tone	Description
Normal	Subjects in the display and their pictures appear with a normal hue.
Black & White	Subjects in the display and their pictures appear in black and white.

Color Tone	Description
Sepia	Subjects in the display and their pictures appear in a brownish-gray hue.
Negative	Subjects in the display and their pictures appear with light and dark colors inverted.
Solarize	Bright and dark colors appear inverted, however other colors appear unchanged.

4. Once the color of your choice is highlighted, press OK. Your settings are saved.

   When you take your next picture, the phone's display previews your subject in the selected color tone.

Ready sound

Choose from four different sounds that let people in your picture know that they should ready their pose for the camera.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 5 JKL (**Ready Sound**).
3. Use the navigation key to highlight one of the following shutter sounds. Each sound plays as it is highlighted.

   - **Say Cheese**
   - **One Two Three**
   - **Look Here**
   - **Silent**

4. Once your choice is highlighted, press OK. You're returned to the Camera Settings sub menu.

Shutter sound

Choose from four different sounds that your camera makes whenever you snap a picture. Aside from being a cool sound effect, Shutter Sound acts as an audible reminder that your camera has taken the picture.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 6 MNO (**Shutter Sound**).
3. Use the navigation key to highlight one of the following shutter sounds. Each sound plays as it is highlighted.

   - **Shutter Sound**
   - **DingDong**
   - **OK**
   - **Silent**

4. Once your choice is highlighted, press OK. You're returned to the Camera Settings sub menu.

Auto name

If you select **On** for the Auto Name function, when you save a picture, you won't be prompted to save it to the Default Album or Photo ID folder. The picture is saved (without prompt) to the Default Album folder.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 6 MNO (**Multimedia**), 1 (**Camera**), 3 DEF (**Camera Settings**), 7 PQRS (**Auto Name**).
3. Use the navigation key to highlight **On** or **Off**, then press OK. Your settings are saved.

Settings

The **Settings** menu allows you to configure your display, sounds, network preferences, security options, and more.

Profile

Profiles define properties for such things as ringtones, alerts, and the sounds your keypad makes whenever you press a key. Settings for each of the four available profiles can be left at default or edited to suit your needs. Select, edit, and/or use the appropriate profile for situations such as meetings, while driving, or when you are outdoors.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 (**Settings**), 1 (**Profile**). The profiles in the following table appear in the display.

Profile	Function
Normal	The default profile. Ringtones, alerts, and other settings are set to typical levels necessary for normal operation.
Meeting	Ringtones and alarms are set to silent, or low-level so that others aren't disturbed when you receive a call.
Drive	Default settings for ringtones and alarms are set to levels that will catch your attention while driving.
Outdoor	Default settings for ring tones and alarms are set to Level 4.

3. Highlight the profile that you want to select or edit.
4. To set the profile for use, press OK, or to edit the profile, press the left soft key ( ) **Edit**.

These menus appear in the display.

Sub Menu	Function
Volume/ Vibrate	Set the volume level or vibrate setting for calls, alarms, and messages.
Ringer Type	Choose the ringer type for calls, data, and messages.
Key Beep	Set the volume, length, and tone type for when keys are pressed for the selected profile.
Alerts	Turn alerts on or off for when you disconnect a call, enter a roaming area, lose service, and more for the selected profile.
Power On/Off	Turn the power on/off sound off or on for the selected profile.
Roam Ringer	Turn the roam ringer on or off for the selected profile.
Whisper	Turn whisper mode on or off for the selected profile.
Folder Sound	Turn the sound generated whenever you open or close the folder on or off for the selected profile.

5. Use the navigation key to highlight the menu you want to edit, then press OK.
6. Use the navigation key to select from the options that appear in the display, then press OK. Your settings are saved.
7. Press CLR to return to the Profile sub menu or press END to return to standby mode.

Display

The Display sub menu affects the menu style, standby mode animation, backlight settings, and more.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**). The Display sub menus listed in the following table appear in the display.

Sub Menu	Function
Language	Choose the display language (English or Español).
Style	Choose Dynamic to animate your menus or choose Basic to view menus in a matrix format.
Animation	Choose the media that appears in the display when you turn the phone on, off, or when the phone is in standby mode.
Banner	Create your own personalized greeting that appears in the display when your phone is in standby mode.
Backlight	Choose settings for the LCD, Keypad, and Power Save.
Service LED	Turn the service LED on or off.
Auto Hyphen	With Auto Hyphen enabled, your phone automatically hyphenates phone numbers as they are entered. Auto Hyphen is only available in CDMA mode.
ERI	Extended Roaming Indicator that displays information based on your service plan.

3. Use the navigation key to highlight the display sub menu that you want to edit, then press OK.
4. Use the navigation key to select from the options that appear in the display, then press OK. Your settings are saved.

Language

Change the display language from English to Español or vice versa using the Language sub menu.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 1 (**Language**).
3. Use the navigation key to select the language of your choice, then press OK.

Style

The Style menu allows you to choose the format used for how the main menus display.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 2 ABC (**Style**).
3. Use the navigation key to highlight **Basic** or **Dynamic**, then press OK.

Animation

Animation allows you to choose the multi-media or pictures that display when you turn your phone on or off, and while the phone is in standby mode.

Choose Power On or Power Off animation

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 3 DEF (**Animation**).
3. Use the navigation key to highlight **Power On** (or **Power Off**), then press OK.

4. Highlight **Default Animations** to select one of the preloaded animations provided with your phone, or highlight **Video Gallery** to select a stored video.
5. If you choose **Default Animations**, use the left/right navigation keys to choose the animation you want, then press OK. Your settings are saved.

Choose the Wallpaper

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), and 2 ABC for (**Display**).
3. Press 3 DEF (**Animation**), then 3 DEF for (**Wallpaper**).
4. Use the navigation key to highlight **Main LCD** or **Sub LCD**, then press OK.
5. If you selected **Main LCD**, choose from these options: **Photo Gallery**, **Video Gallery**, **World Time**, **Slide Show**, and **Calendar**, then press OK. If you selected **Sub LCD**, proceed to step 7.
6. Follow the prompts to select the wallpaper that appears in the main LCD display while your phone is in standby mode.
7. If you selected **Sub LCD**, choose an image from the image gallery, then press OK.
8. Follow the prompts to select the wallpaper to appear in the sub LCD while your phone is in standby mode.

Note: If you select the Dual Clock World Time Wallpaper, then you will need to set the Daylight Savings Time flag for the Home area time zone. See “Setting daylight saving time (DST)” on page 133.

Banner

Banner allows you to create your own personalized greeting that appears in the display while your phone is in standby mode.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 4 GHI (**Banner**).

Press and hold CLR to erase an existing banner, if necessary.

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3. Enter a word or short phrase (12 characters or less) to appear in your phone's display when the phone is in standby mode.
4. Press OK to save the new banner.

Backlight

Set the backlight for the display or keypad to remain on for a specified period of time or to remain on as long as the flip is open.

Prolonged backlight use drains your battery faster.

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1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 5 JKL (**Backlight**). The sub menus listed displays.

Option	Function
LCD	Set the time for which the LCD backlight remains on after a period of inactivity. Optional settings are 5, 10, 15 seconds, and Folder Open.

Option	Function
Keypad	Set the time for which the keypad backlight remains on after a period of inactivity. Optional settings are 5, 10, 15 seconds, and Folder Open.
Power Save	Internal (Main) LCD Unless the backlight setting for the LCD has been changed, the backlight dims after a minute of inactivity, and then turns off. With Power Save enabled, the backlight for the LCD is always dim. After one minute of inactivity, Power Save turns the backlight off. External (Sub) LCD With Power save **On** and the flip closed (while not in a call), the external LCD turns off to conserve power. With Power save **Off** and the flip closed (while not in a call), the external LCD remains on when the flip is closed.

3. Use the navigation key to highlight a menu.
4. Press OK to display the menu's options and change the settings as desired.

Service LED

Use the Service LED menu to set your Service LED to either on or off. The Service LED has the following functions:

- Flashes to indicate an incoming call or message.
- Lights momentarily when you power up the phone and flashes when your phone needs charging.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 6 MNO (**Service LED**).
3. Use the navigation key to highlight **On** or **Off**, then press OK. Your setting is saved.

Auto hyphen

Auto Hyphen automatically hyphenates phone numbers as they are entered. For example: 580-437-0000.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 7 PQRS (**Auto Hyphen**). **On** and **Off** appears in the display.
3. Use the navigation key to highlight **On** or **Off**, then press OK. Your setting is saved.

ERI (extended roaming indicator)

The ERI (Extended Roaming Indicator) displays specific information about your service plan as you use your phone in and out of your service area.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 2 ABC (**Display**), 8 TUV (**ERI**).
3. Use the navigation key to highlight **On** or **Off**, then press OK. Your setting is saved.

Security

The Security sub menu allows you to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, and other security options.

Note Your phone's default lock code is the last four digits of your telephone number unless you change it.

Lock phone

Lock Phone restricts the use of your phone with the exception of outgoing calls to 911 and the three user-programmed emergency numbers. Lock Phone allows you to answer calls, but to place calls (except to emergency numbers) you have to unlock the phone.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.
3. Enter the Lock Code, then press 1 (**Lock Phone**). The options listed in the following table appear in the display.

Option	Function
Never	The Lock Code is never required.
Power On	The Lock Code is required whenever you power up the phone.
Now	Your phone returns to standby mode. The the Lock Code is required immediately to access any functions.

4. Use the navigation keys to highlight the desired Lock Phone option.
5. Press OK to perform the function for the highlighted option.

Change lock

The default lock code is the last four digits of your phone number. Change Lock allows you to change this code to a lock code of your preference.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.

3. Press 2 ABC (**Change Lock**). You're prompted to enter the new lock code.
4. Enter the new lock code. You're prompted to confirm the new lock code.
5. Enter the new lock code again for confirmation.
6. A message appears in the display confirming that your lock code has been changed.

Your phone does not allow you to view the lock code for security reasons. If you change the lock code, be sure to write down or memorize the new code.

Emergency

Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an emergency prompt appears in the display for the duration of the call.

You can store up to three emergency numbers to your phone. Each number can be up to 32 digits in length. All emergency numbers can be dialed any time, even when your phone is locked or restricted.

Important! Because of various transmission methods, network parameters, and user settings used to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calls may not be available on all wireless networks at all times.

Important! DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Store emergency numbers

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.
3. Enter the lock code, then press 3 DEF (**Emergency #**).
4. Select an emergency number location for editing, and enter the number (up to 32 digits in length).
5. Press OK to save the number, or press the right soft key ( ) **Cancel** to exit without saving changes.

Voice privacy

This feature is only available on the Verizon Wireless network.

Voice Privacy (at the **Enhanced** setting) when enabled turns on advanced voice encryption.

1. In standby mode, press the left soft key ( ) **Menu**, then press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.
2. Enter the lock code, then press 4 GHI (**Voice Privacy**). **Standard** and **Enhanced** appear in the display.

3. Use the navigation key to highlight the Voice Privacy option of your choice, then press OK. Your settings are saved.

Restriction

Restriction allows you to restrict outgoing and incoming calls. You can also restrict access to your Phonebook.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.
3. Enter the lock code, then press 5 JKL (**Restriction**).
4. Use the navigation key to select **Outgoing Call**, **Incoming Call**, or **Phonebook**, then press OK.
5. Use the navigation key to highlight **On** or **Off**, then press OK. Your settings are saved.

Delete memory

Use **Delete Memory** to free up memory in your phone by deleting such things as media, messages, and entries in your Phonebook from one convenient location.

Note: Marking and deleting any of the memory types does not delete the memory type, only content within the type (such as messages or call logs).

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1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.

3. Enter the lock code, then press 6 MNO (**Delete Memory**). The following memory types appear in the display.

   Phonebook
   Recent Calls
   Messages
   Multimedia
   Planner
   Voice Kit

4. Use the navigation key to highlight the memory type that you want to mark for deletion, then press the left soft key ( ) **Mark** or press the right soft key ( ) **Back** to cancel.
5. You can mark as many memory types for deletion as desired, then press (OK) **Del** to delete the selected memory types. You're prompted for confirmation.
6. Press the left soft key ( ) **Yes** to delete the marked memory types or press the right soft key ( ) **No** to return to the selection list.

Reset phone

Reset Phone returns all setup options to their factory default.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 3 DEF (**Security**). You're prompted to enter the lock code.
3. Enter the lock code, the press 7 PQRS (**Reset Phone**). A prompt appears in the display asking if you want to restore default settings (except for the Phonebook and Voice Dial).

Call options

Call Options allows you to select the method for answering incoming calls, setting redial options, setting data rates for data calls, and more.

Answer options

Answer Options contains the sub menus Call Answer and Auto Answer. Call Answer allows you to select the method for answering incoming calls, while Auto Answer allows you to select the delay time before a call is picked up.

Call Answer

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 4 GHI (**Call Options**), 1 (**Answer Options**). The following options appear in the display.

   Call Answer
   Auto Answer
3. Press 1 (**Call Answer**). The following options appear in the display.

   Send Key
   Folder Open
   Any Key
4. Use the navigation key to highlight the method you want to use for answering calls, then press OK.

Auto Answer

This feature is active when the supplied headset is plugged into the headset jack. If you want to have calls answered automatically, use Auto Answer to select the delay time before a call is picked up.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 4 GHI (**Call Options**), 1 (**Answer Options**). **Call Answer** and **Auto Answer** displays.
3. Press 2 ABC (**Auto Answer**).
4. Use the navigation key to highlight on of the following options:

Off	**After 3 Sec**
After 1 Sec	**After 5 Sec**

5. Press OK to select the highlighted option, or press CLR to return cancel without making a selection.

Auto retry

Auto Retry automatically redials busy numbers after a preset period of time.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 4 GHI (**Call Options**), 2 ABC (**Auto Retry**).
3. Use the navigation key to highlight one of the following options:

Off	**After 30 Sec**
After 10 Sec	**After 60 Sec**

4. Press OK to select the option, or press CLR to return to the **Call Options** sub menu without making a selection.

Only available within Verizon Wireless Enhanced Services Area.

Use the Data menu to set the baud rate for data calls and when data mode is to be used.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 (**Settings**), 4 (**Call Options**), 3 (**Data**) to display the Data sub menus listed in the following table.

Sub Menu	Function
Auto Detect	**Select when your phone uses data mode.**
Baud Rate	**Selects the rate of data transfer for data calls**

Configure Auto Detect

1. Select the Data sub menu, and press 1 (**Auto Detect**).
2. Use the navigation key to highlight **Data For Next Call** or **Data Until Powered Off**, then press OK.

   Select **Data Off** or press CLR to return to the Data sub menu without configuring Auto Detect.

Select the Baud Rate

1. Select the Data sub menu, and press 2 (**Baud Rate**).
2. Use the navigation key to highlight **Auto**, **19200**, **38400**, **57600**, **115200**, or **230400**, then press OK.

   Press CLR if your want to return to the Data sub menu without selecting the baud rate.

Airplane mode

With Airplane Mode on, all RF functions for your phone are disabled, and you cannot use your phone to place or receive calls.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 4 GHI (**Call Options**), 4 GHI (**Airplane Mode**).
3. Use the navigation key to highlight **On** or **Off**, then press OK. If you select **On**, a message appears in the display alerting you that all call functions will be disabled.
4. Press the left soft key ( ) **Yes**, or press the right soft key ( ) **No** to cancel.

   When you set **Airplane mode** to **On** and then select **Yes**, the phone suspends all RF functions.

   However, when you set **Airplane Mode** to **Off** and then select **Yes**, your phone restarts and returns to idle mode.

Roam option

Note This feature is only available on the Verizon Wireless network.

Roam Option sets roaming preferences if you move in and out of your home network.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 4 GHI (**Call options**), 5 JKL (**Roam Option**).
3. Use the navigation key to highlight your roam option preference, then press OK. Your setting is saved.

TTY mode

Your phone is fully TTY/TDD compatible. TTY/TDD equipment is connected to your phone through the headset connector on the left side of the phone. TTY/TDD must be enabled before you can use your phone with a TTY/TDD device.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 4 GHI (**Call Options**), 6 MNO (**TTY Mode**). You're prompted to enter the TTY password.

Note: The default TTY Password is *, 8 TUV, 8 TUV, 9 WXYZ, which is *#TTY*.

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3. Enter the TTY password. **Enable** and **Disable** display.
4. Use the navigation key to highlight your selection and press OK. **Call Options** displays and the TTY icon ( ) is displayed or removed, depending on your selection.

Shortcut list

Shortcut List allows you to select from up to seven applications that appear in the display when you press the up navigation key in standby mode.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 5 JKL (**Shortcut List**). The **Shortcut List** sub menu appears in the display.
3. Press the left soft key ( ) **New**. A list of applications and menus displays.
4. Use the navigation key to highlight a menu or application, then press OK.

5. If a list of sub menus appears in the display, use the navigation key to highlight the desired sub menu, then press OK. The shortcut is added to the list.

Location

This feature is only available on the Verizon Wireless network.

The Location (GPS) setting identifies your location to the network. You can fully enable this setting or set GPS to work only in the case that you dial 911 from your phone.

1. In standby mode, press the left soft key ( ) **Menu.**
2. Press 7 PQRS (**Settings**), 6 MNO (**Location**). The settings listed in the following table appear in the display.

Location setting	Function
Location On	GPS location setting is on wherever the feature is available.
911 Only	GPS location setting is on whenever you dial 911 only.

3. Use the navigation key to highlight an option, then press OK to select your setting.

Phone info

The Phone Info sub menu allows you to view the software and hardware information for your phone.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 7 PQRS (**Settings**), 7 PQRS (**Phone Info**). The software and hardware information for your phone displays.

Planner

Planner is a suite of PIM (Personal Information Management) applications such as a Calendar, To Do List, and Memo Pad. Schedule events, set reminders, create to do lists, perform calculations, and more with the digital assistant functionality of this useful feature.

Open planner

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**). The Planner menu opens and the applications listed in the following table appear in the display.

Sub menu	Function
Calendar	Schedule events for any day by indicating each event's start and end time.
To Do List	Enter up to 50 tasks and set an alarm for each.
Alarm Clock	Set an alarm for any day and time.
Time/Date	Set the system time and date.
Memo Pad	Enter a memo, which can be viewed at any time. Memos do not have an alarm setting.
World Time	Set the local time and the time for one other time zone anywhere in the world.
Calculator	Use the calculator to perform numeric calculations.

3. Use the navigation key to highlight an application. Press OK to enter the highlighted application's sub menu. The following sections provide a detailed description on each application and its function.

Calendar

Schedule up to eight events for any day by indicating each event's start and end time. Set alarms for events so that you can be alerted before an event takes place. Events scheduled for future dates automatically appear on your Today events schedule for the present day.

Add a new event

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 1 (**Calendar**). The calendar displays with the current date highlighted.
3. Press the left soft key ( ) **Option**. A pop-up menu appears in the display that contains the menu items in the following table.

Menu Item	Function
New Event	Schedule a new event.
Week View	View the current week.
Go To Date	Go to any date that you specify.
Go To Today	View today's events.
Del Past Events	Select past events to delete.
Delete All Events	Delete all events in your calendar.
Set Wallpaper	Set your calendar as your phone's wallpaper when idle mode displays.

4. With **New Event** highlighted, press OK. The New Event screen displays with the following fields.

Field	Function
Subject	Select from nine subjects to describe the event.
Start Date	Enter the start date for the event.
Start Time	Enter the start time for the event.
AM/PM/24 Hours	Select from AM, PM, or 24 Hours time modes for the start time.
End Date	Enter the end date for the event.
End Time	Enter the end time for the event.
AM/PM/24 Hours	Select from AM, PM, or 24 Hours time mode for the end time.
Occurs	Select the frequency of the event.
Alarm	Turn the alarm for the event on or off.
Reminder	Set a reminder up to one day before the event.
Melody	Select a melody for when you're alerted of the event.
Memo	Enter a description of the event.

5. Fill in and select event details using the navigation keys and your keypad.
6. Press OK. The event is saved.

View an event

1. In standby mode, press the left soft key ( ) **Menu**,
2. Press 8 TUV (**Planner**), 1 (**Calendar**). A calendar appears in the display with the current date highlighted.
3. Use the navigation keys to highlight the date containing the event that you want to view. If the event date is in another month, press the left soft key ( ) **Option**.
4. In the pop-up menu that displays, use the navigation key to highlight **Go To Date**, then press OK.

5. Enter the desired date in the box at the bottom of the display, then press OK. The month that you entered appears in the display with the event date highlighted.
6. Press OK to view event details for the date.
7. Press the left soft key ( ) **Option**. A pop-up menu appears in the display.
   - To edit the event, press 1.
   - To add a new event, press 2 ABC.
   - To move the event to another date, press 3 DEF.
   - To delete the current event, press 4 GHI.
   - To delete all events scheduled, press 5 JKL.

Tip: Use the volume key to move between months in the calendar.

To do list

The To Do List allows you to create a task list in which you can store, prioritize, and manage up to 50 To Do List tasks.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 2 ABC (**To Do List**).
3. Press the left soft key ( ) **New**.
4. Enter details of the task using the keypad.

   Press the left soft key ( ) **Option** to display a pop-up menu. Use the left/right navigation key to display the text entry mode options **ABC**, **Symbol**, **123**, and **T9 Word**.
5. Once the desired text entry mode appears in the pop-up menu, press OK.
6. When finished, press OK to save the task.

Add, edit, and erase to-do list tasks

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 2 ABC (**To Do List**).
3. Use the navigation key to browse tasks in your To Do List. Events are presented in order of date, then priority.
4. Press the left soft key ( ) **Option**. The options listed in the following table appear in the display.

Option	Function
New To Do	Add a new task to the To Do List.
Edit	Edit the task currently appearing in the display.
Delete	Erase the highlighted task.
Mark & Delete	When multiple tasks display, you can mark specific tasks and then delete them.
Delete All	Delete all the tasks in the To Do List.

5. Use the navigation key to highlight an option, press OK to perform the function for the highlighted option.

Alarm clock

Your phone has an alarm clock that can be set to go off once, or recur daily at a specific time. Once set, the alarm clock is easy to change or turn off.

Set an alarm

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 3 DEF (**Alarm Clock**). The following options appear in the display.

Alarm 01 **Alarm 03**
Alarm 02 **Alarm 04**

3. Use the navigation key to highlight the alarm that you want to enable, then press OK.

4. When the **Edit Alarm** screen displays, enter a title for the alarm in the **Title** field.
5. Press the down navigation key once to highlight the **Time** field, then enter the time that you want for the alarm to sound.
6. Press the down navigation key once to highlight the **AM/PM** field, then use the left/right navigation keys to select **AM** or **PM** or **24 hours**.
7. Press the down navigation key once to highlight the **Day** field.
8. Use the left/right navigation keys to set the frequency (occurrence) of the alarm. The following table lists and defines the options for this field.

Day Option	Definition
Once	The alarm sounds only once, at the time specified.
Daily	The alarm sounds every day at the time specified.
Mon-Fri	The alarm sounds Monday through Friday at the time specified.
Mon-Sat	The alarm sounds Monday through Saturday at the time specified.

9. Press the down navigation key once to highlight the Set field. Use the left/right navigation keys to select **On** or **Off**.
10. Press the down navigation key once to highlight the melody field. The melody field is where you can choose the sound for the alarm.
11. Press the right navigation key. A pop-up menu appears in the display with the options **Preloaded** and **My Sounds**.

12. Press 1 to select preloaded sounds or press 2 ABC to select a sound you've downloaded to your phone.
13. Once you've selected a sound for the alarm, you're returned to the **Edit Alarm** screen.
14. Press OK to save your settings

Disable an alarm before it sounds

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 3 DEF (**Alarm Clock**). The following options appear in the display.

   Alarm 01 Alarm 02 Alarm 03 Alarm 04
3. Use the navigation key to highlight the alarm you want to disable, then press the left soft key ( ) **Option**. A pop-up menu appears in the display.
4. Press 2 ABC to reset the highlighted alarm or press 3 DEF to reset all alarms.

Snooze

When an alarm sounds, a menu screen displays that allows you to either turn the alarm off or to have the alarm ring again after 5 minutes. This is called Snooze.

To use this feature follow these steps:

1. Set one of your phone's 4 alarms. For more information about setting an alarm, see "Set an alarm" on page 128.
2. When an alarm sounds, press the left soft key ( ) **Snooze** to turn the alarm off and to set it to ring again after 5 minutes.

   Or, to turn the alarm off completely, press the right soft key ( ) **Stop**. The alarm turns off and the standby screen displays.

Time and date

Use the Time/Date function to set your phone's date format.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 4 GHI (**Time/Date**).
3. Use the left/right navigation keys to select the date format, then press OK to save your settings.

This feature is only available when you are in a "No Service Area" so you can set time in non-digital areas.

Memo pad

Create and store notes in Memo Pad. You can't prioritize or set an alert for stored notes. Return to Memo Pad anytime to review and edit your notes.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 5 JKL (**Memo Pad**). If you have any stored memos, they appear as a list in the display.
3. To add a new memo, press the left soft key ( ) **New**, then enter the memo using the keypad.
4. While entering a memo, press the left soft key ( ) **Option** to display a pop-up menu with the following text entry modes.

   ABC **123**
   Symbol **T9 Word**

5. Use the left/right navigation keys to select the other available text entry modes of **123**, **T9 Word**, and **Symbol**, or press CLR to exit the pop-up menu.

6. When you're finished entering details for the memo, press OK. The memo is saved.

Review, add, edit, and erase memos

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 5 JKL (**Memo Pad**). If you have any stored memos, they appear as a list in the display.
3. With a memo highlighted, press the left soft key ( ) **Option**. A pop-up menu with the options listed in the following table appears in the display.

Option	Function
New Memo	Add a new memo to Memo Pad.
Edit	Edit the memo currently highlighted or appearing in the display.
Delete	Erase the memo currently highlighted or appearing in the display.
Mark & Delete	When multiple memos display, you can mark specific memos and then delete them.
Delete All	Use to erase all of stored memos at the same time.

4. Use the navigation key to highlight an option or press CLR to exit the pop-up menu.
5. Press OK to perform the highlighted option's function.

World time

World Time allows you to view the time of day or night in any part of the world.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 6 MNO (**World Time**). A world map appears in the display.

3. Use the navigation key to display the city (or cities), date, and time that you want to view.

   The following cities are supported.

Alaska	**San Francisco**	**Denver**
Chicago/Mexico	**NewYork**	**Caracas**
Brasilia	**Mid Atlantic**	**Cape Verde**
London	**Paris/Berlin**	**Athens/Helsinki**
Moscow	**Abu Dhabi**	**Tashkent**
Alma-ata	**Bangkok/Jakarta**	**Hongkong/Beijing**
Seoul/Tokyo	**Guam/Sydney**	**Okhotsk**
Wellington	**Samoa/Midway**	**Honolulu/Hawaii**

Setting daylight saving time (DST)

If you use the Dual Clock World Time wallpaper for your display, you must set Daylight Saving Time (DST) indicators for your Home and Visiting Areas, as appropriate.

To select the Dual Clock World Time as your display wallpaper, refer to “Choose the Wallpaper” on page 109.

Setting Home and Visiting Areas DST

To enable DST for either your Home or Visiting Time areas, follow these steps:

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 6 MNO (**World Time**). A world map appears in the display.

3. Use the navigation key to select your home are visiting area, then press the left soft key ( ) **Set DST**. A pop-up menu displays.
4. Use the navigation key to select **On**, then press OK. Daylight Savings Time is enabled for the area you selected.
5. Press END to return to standby mode.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 8 TUV (**Planner**), 7 PQRS (**Calculator**). The **Calculator** appears in the display.
3. Enter the first number in your equation using the keypad. (Numbers can be up to nine digits long.)
   - Press the left soft key ( ) **Option** to display a pop-up menu which allows you to enter a decimal point or parenthesis.
   - Press # to change the sign for a number to a negative.
4. Use the navigation key to set the type of calculation that you want to perform. Your choices are as follows.
   - [+] Addition
   - [-] Subtraction
   - [x] Multiplication
   - [÷] Division
5. Use the keypad to enter the second number into your equation.
6. Press OK to perform the calculation and view the result.

Voice kit

Voice recognition capabilities of the SCH-a890 are exceptional due to advanced, speaker-independent technology. This means there is no longer a need to “train” your phone to understand your voice. You can finally use your voice *in a natural manner* to dial numbers, lookup contacts, and even check your phone’s battery level or signal strength. Please review the following content to learn more about this useful feature.

Voice kit menu

Use the Voice Kit menu to configure the voice recognition settings for your phone.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 WXYZ (**Voice Kit**). The following Voice Kit sub menus appear in the display.

Command	Function
Voice Memo	Record, review, and delete Voice Memos.
Voice Setting	Setup and configure Voice Kit voice recognition settings.
Voice Kit Active	Set how the voice kit feature is activated.

3. Use the navigation key to highlight the desired Voice Kit sub menu.
4. Press OK to enter the highlighted sub menu. The following three sections describe each Voice Kit sub menu in greater detail.

Voice memos

You can use your phone to record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation. Always obtain the other party's permission before recording a conversation.

The maximum number of voice memos is 30.

Record a voice memo

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 wxyz (**Voice Kit**), 1 (**Voice Memo**), 1 (**Record**). The phone prompts, "**Please record after the beep.**"
3. Wait for the beep, then start speaking. During recording, your phone displays a countdown timer.

   To pause the memo, press the left soft key ( ) **Pause**. When a memo is paused, press the left soft key ( ) **Resume** to resume recording.
4. Press the right soft key ( ) **Finish** once you're finished recording.
5. Once you've stopped recording, press the left soft key ( ) **Option**.

A pop-up menu displays with the following options

Option	Function
Save As	Save the voice memo you just recorded.
Review	Review (replay) the voice memo you just recorded, as well as view details such as the time and date it was recorded.
Rerecord	Rerecord over the voice memo you just recorded.

6. Use the navigation key to highlight the option you want.
7. Press OK to perform the option.

Review and delete voice memos

If you've saved any memos, you can review them anytime.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 WXYZ (**Voice Kit**), 1 (**Voice Memo**), 2 ABC (**Review**). A list of saved memos appears in the display.
3. Use the navigation key to highlight the memo you want to review, then press OK. The memo title, length, size, and time/date the recording took place appear in the display.
4. Press the left soft key ( ) **Option** to **Play**, **Rename**, or **Delete** the memo.

Erase all voice memos at one time

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 WXYZ (**Voice Kit**), 1 (**Voice Memo**), 3 DEF (**Delete All**). **Delete all?** appears in the display.
3. Press the left soft key ( ) **Yes** to delete all voice memos, or press the right soft key( ) **No** to cancel.

4. If you pressed the left soft key ( ) **Yes** to **Delete All**, a confirmation message displays and you're returned to the Voice Memo sub menu.

Voice setting

Use the Voice Setting sub menus to select the method for Voice Kit activation, or to adapt and reset voice recognition for digits to your voice.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 WXYZ (**Voice Kit**), 2 ABC (**Voice Setting**). The sub menus listed below display.

Sub Menu	Function
Choice Lists	When voice signal doesn't recognize a name or number correctly, you are provided a list of alternative choices. The option allows you to control how choice lists are used for all the dialing features.
Digit Dialing	Allows you to select your current location to improve the accuracy of digit dialing, or allows you to adapt digit dialing to your voice.
Sensitivity	Allows you to control how voice signal determines when a spoken word is a match.
Sound	Allows you to turn audio prompts, audio digit playback, and name playback on or off, and allows you to adjust the speed and volume of name playback.
About	Provides the version and build information for the voice signal kit installed on your phone.

3. Use the navigation key to highlight a sub menu, then press OK to enter the sub menu and configure settings.

Voice kit active

This menu option allows you to set the key or action that launches voice kit. To change the current setting, follow these steps.

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 WXYZ, 3 DEF. The **Voice Kit Active** menu displays, and the following options are available.

   [*] Only
   [*] /Folder
   [*] /EarMic
3. Use the navigation key to highlight the option you want, then press OK to save and exit.

Your phone is initially set to [*], so that when you press and hold the * key, the voice signal commands are activated. If you select one of the other options, such as Folder or EarMic, your phone will launch the voice kit commands when you open the flip or when you attach the optional headphone set to your phone, as well as when you press and hold the * key.

Voice signal commands

Voice Signal commands allow you to dial numbers, lookup contact information, and open applications using your voice. Simply say a command at the prompt to record memos, open your phone book, launch the browser, and more.

1. In standby mode, press and hold .

   After a brief pause, **"Say a Command**" appears in the display and is pronounced through the speaker.

2. After the phone beeps, say the name of the command that you want to perform. The Voice Signal commands listed in the following table are available.

Command	Function
Call	Lets you dial a phone number by saying a name saved in your contact list or by saying the digits in the telephone number.
Send	This command provides access to your messaging feature, allowing you to send text and multimedia messages.
Lookup	Lets you retrieve contact information for any entry in your contacts list.
Go To	This provides you with one-step access to many of your phone's applications such as Calendar.
Check	With a single command you can check your phone's battery level, signal strength, or network coverage.

More information on the commands above is available in the following sections.

Call a name or number

The **Call** command lets you dial a person by saying the name you've stored for that person in your contact list or by saying the telephone number's digits, even if you have not saved the number in contacts.

Voice dialing tips

- Voice dialing works best in quieter environments.
- When pronouncing a name or number, speak at a normal speed, and there is no need to pause between digits.
- The phone recognizes the digits one, two, three, four, five, six, seven, eight, nine, zero, and oh (zero). It doesn't recognize numbers such as "one eight hundred" for "1-800." Instead, say "one eight zero zero," or "one eight oh oh."
- The phone recognizes only valid seven or ten-digit North American phone numbers, optionally preceded by the digit "1."
- If you are experiencing frequent problems with Voice Dial recognizing your commands, try adapting it to your voice, which greatly improves its accuracy. See "Adapting digits" on page 143 for more information.

Dialing a name

1. Press and hold .

   "**Say a Command**" appears in the display and is pronounced through the speaker.

2. Say "**Call**."

   The phone prompts, "**Say the name or number**."

3. Say the full name of the person you want to call, exactly as it is entered in your Phonebook.
4. The phone may display one or more names on the screen and prompts “Did you say?”

   To confirm the name you spoke, wait for the beep and then say “**Yes**” or choose the correct name from the choice list using your navigation key.

If the name that you pronounced has more than one associated number, the phone displays the different locations (such as “home” or “work”) and prompts you, “Which number?” In this case, pronounce the location that you want to call. The phone dials the number.

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5. The phone repeats what you said and then prompts, “**Connecting**” and dials the number.

Digit dialing

1. Press and hold .

   “**Say a Command**” appears in the display and is pronounced through the speaker.
2. Say “**Call**.”

   The phone prompts, “**Say the name or number**.”
3. Pronounce the number naturally and clearly.
4. The phone may display one or more names on the screen and prompts “Did you say?”

   To confirm the number you spoke, wait for the beep and then say “**Yes**” or choose the correct name from the choice list using your navigation key.
5. The phone dials the number.

Adapting digits

Voice dialing works well for most people without special adaptation. However, people with strong accents or unique voice characteristics may receive better results after adapting the system to match their voices.

You should adapt Digit Dial only if the system is frequently unable to recognize your speech. After you adapt Digit Dial, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

Adaptation involves recording several digit sequences to adapt the system to the unique properties of your voice. The adaptation process takes about three minutes.

Tips for adapting Digit Dial

- Adapt digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, re-record that sequence.
- Only adapt digits if you regularly have problems with digit dialing. Once adapted, digit dialing will not work as well for other people using your phone.

Adapt Digit Dial to your Voice

1. In standby mode, press the left soft key ( ) **Menu**.
2. Press 9 WXYZ (**Voice Kit**), 2 ABC (**Voice Setting**), 2 ABC (**Digit Dialing**), 1 (**Adapt Digits**). A short description of the Adapt Digits displays.

3. Read the description until you are comfortable to proceed, then press OK.

   Your phone displays the first digit sequence and "**Please say**" plays through the speaker followed by the four digits appearing in the display.

4. Wait for the beep and repeat the digits *using your normal tone of voice*.

5. After a moment, the phone plays back the recording and prompts "**Did the recording sound ok**?" If the recording was good, say "**Yes**." If you need to re-record, say "**No**."

   If you say "**No**," the phone prompts you to pronounce the digits again. Wait for the beep and then re-record. Repeat this step until you're satisfied with the recording.

6. After confirming that the recording sounds ok, repeat the recording process with the next set of digits. After six sets of digits, the phone asks whether you want to do more adaptation. Answer "**Yes**."

7. Repeat steps 4-6 for another six sets of digits. After the sixth set of digits, the phone indicates that adaptation is complete.

Reset digit dial adaptation

This option erases an adaptation and resets Digit Dial to its original state.

1. In standby mode, press the left soft key ( ) **Menu**.

2. Press 9 WXYZ (**Voice Kit**), 2 ABC (**Voice Setting**), 2 ABC (**Digit Dialing**), 2 ABC (**Reset Digits**).

Reset Digits is only available if you have adapted digit dial for your voice.

3. When the confirmation screen displays, press OK to proceed, or press the right soft key ( ) **Back** to cancel.
4. If you press OK, then the message “Digit Adaptation Reset” displays.

Looking up contacts

Use the **Lookup** command to look up contact information for any person stored in your Contacts list.

1. In standby mode, press and hold *. The phone prompts, “**Say a command**.”
2. Say “**Lookup**” followed by the name of a person in your Contacts list.

   After you say a name, you may be prompted, "**Did you say?**" followed by the first of up to three names. To confirm a name, wait for the beep and then say “**Yes.**”

   If there is no match found, the phone responds with “**Sorry, no match found**.”

Sending messages

The **Send** command allows you to send a text message or **QuickPhrase** to a name in your contact list.

Send a Text Message

1. In standby mode, press and hold *.

   “Say a Command” appears in the display and is pronounced through the speaker.

2. Say “**Send**.” Your phone displays the message type pop-up menu and prompts, “**Say the message type**.”
3. Say “**Text**.” Your phone prompts, “**Say the name or number**.” Say a name from your Contacts list or say a valid telephone number.
4. Your phone prompts you to confirm the name or number, say “**Yes**” to display the **Send To** menu with the number entered.
5. Press OK to confirm the entry, then compose and send your text message. For more information on sending a text message, see “Send text messages” on page 62.

Send a QuickPhrase message

1. In standby mode, press and hold .

   “Say a Command” appears in the display and is pronounced through the speaker.
2. Say “**Send**.” Your phone displays the message type pop-up menu and prompts, “**Say the message type**.”
3. Say “**QuickPhrase**.” Your phone prompts, “**Say the name or number**.” Say a name from your Contacts list or say a valid telephone number.
4. Your phone prompts, “**Say a QuickPhrase**” and displays the “**Listening Tab.**” Say one of the stored quick text phrases programmed into your phone. For more information on storing quick text messages in your phone, see “Send text messages” on page 62.

The QuickPhrase you want to add to your message does not need to display on the Listening Tab for you to use it in your message. If you are not sure of the phrases available, say “Next Menu” when the Listening Tab displays to see other available phrases.

5. After recognizing a **QuickPhrase**, your phone prompts for another **QuickPhrase**. If you do not want to add another phrase, say “**Finish**.” The **Message** compose menu displays with the text added.
6. When you complete your message, press OK to send it to the intended recipient.

Opening applications

The **Go To** command allows you to open an application or to quickly access several menus on your phone.

1. Press and hold *. “**Say a Command**” appears in the display and is pronounced through the speaker.
2. Say “**Go To**” followed by the application or menu item you want.

   For example, say, “**Go To Take Picture**.” Your camera is activated and the view finder displays.

To see a list of applications or menu items, say “Go To” but do not specify a destination. Your phone displays available options and prompts “Please Choose.” Say “Next Menu” to scroll through other available choices applications and menu choices.

Checking phone status

The Check command allows you to view and hear status information about your phone, including your phone number, the current battery or signal strength, and network coverage.

1. Press and hold . "**Say a Command**" appears in the display and is pronounced through the speaker.
2. Say "**Check**" either by itself or followed by one of the following:

Command	Function
Check	Lets you see a list of options that you can check.
Status	Displays the battery, signal, and network coverage all together.
Signal	Lets you check the current signal strength received by your phone.
Network	Lets you check the current network coverage for your phone.
Battery	Lets you view your phone's current battery level.
My Phone #	Displays your phone's telephone number.

Your phone displays the information requested above and plays it through your speaker.

Usage guidelines: all about performance and safety

Getting the most out of your reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key. Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Knowing Radio Frequency Safety

The design of your phone complies with updated NCRP standards described below.

In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.

- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, return it to Verizon Wireless or call Customer Care for service.

Maintaining safe use and access to your phone

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN THE U.S.A., USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

10 Driver Safety Tips

Your wireless telephone gives you the powerful ability to communicate by voice - almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2. When available, use a hands free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today. Please Note: Hands free devices are required by law in some areas. You are solely responsible for ensuring that your phone use complies with all applicable laws.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no on appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

Following Safety Guidelines

Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, the U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Never transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Turn off your phone when you're in any area that has a potentially explosive atmosphere. Although it's rare, your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked. They include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

Restricting Children's Access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

Caring for the battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Samsung-approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32º F to 104º F (0º C to 40º C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.

- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.
- It's best to replace the battery when it no longer provides acceptable performance. It can be recharged hundreds of times before it needs replacing.

Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:

Less than one month:
32º F to 131º F (0º C to 55º C)

More than one month:
32º F to 104º F (0º C to 40º C)

Disposal of Lithium Ion (Li-Ion) Batteries

For safety, do not handle a damaged or leaking Li-Ion battery.

For safe disposal options of your Li-Ion batteries, contact your nearest Samsung-authorized service center.

Special Note: Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

Acknowledging special precautions and FCC notices

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Samsung supplied or approved carrying case, holster or other body-worn accessory. If you do not use a body-worn accessory, ensure that the antenna is at least one inch (2.5 centimeters) from

your body when transmitting. Use of non- Samsung approved accessories may violate FCC RF exposure guidelines.

For more information about RF exposure, please visit the FCC website at www.fcc.gov.

This Model Phone Meets The Government's Requirements For Exposure To Radio Waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the

network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.47 W/kg and when worn on the body, as described in this user guide, the highest SAR value is 1.08 W/kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID **A3LSCHA890**.

In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com.

FDA consumer update

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to

notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that it is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to a interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Committee
- Occupational Safety and Health Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities about wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the wireless exposures that people get from these base stations are typically thousands of times lower than those they get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

What kinds of phones are the subject of this update?

The term “wireless phones” refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS”. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user’s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person’s RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones” which have a base unit connected to the phone wiring in a house, typically operate at far lower per levels, and thus produce RF exposures far below the FCC safety limits.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal

studies, however, have suggested that low levels of RF could Accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glaucoma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health threat?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is

directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of tis work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted

through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

How can I find out how much radio frequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radio frequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and other federal health and safety agencies. The FCC limit for exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissue that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

What has FDA done to measure the radio frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless hand sets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measured described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed on late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones (http://www.fda.gov/cellphones/)
- Federal Communications Commission FCC) RF Safety Program (http://www.fcc.gov/oet/rfsafety)
- International Commission on Non-Ionizing Radiation Protection (http://www.icnirp.de)
- World Health Organization (WHO) International EMF Project (http://www.who.int/peh-emf/en/)
- National Radiological Protection Board (UK) (http://www.nrpb.org/)

CTIA Safety Information

Exposure to radio frequency signals

Your wireless hand held portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standard bodies:

- ANSI C95.1 (1992)
- NCRP Report 86 (1986)
- ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

Antenna care

Use only the specified of approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on efficient operation:

For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving--driving safety is your first responsibility.

- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against RF signals from your wireless phone.

PACEMAKERS

The Health Industry Manufacturers Association recommends that a minimum separation of six (6”) inches be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the pacemaker is turned on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

HEARING AIDS

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives.) *Optional for each phone manufacturer.*

Other medical devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a “blasting area” or in areas posted: “Turn off two-way radio”. Obey all signs and instructions.

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions.

Sparks in such areas could cause an explosion or fire resulting in bodily injury of even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

For vehicles equipped with an airbag

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Owner's record

The model number, regulatory number and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SCH-a890

Serial No.:

User Guide Proprietary Notice

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5,710,7845,056,109 5,568,4835,659,569

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Limited warranty

1. **What is Covered and For How Long?**
   SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants the original ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for a period commencing on the date of purchase and continuing for the specified period of time after the date:

   - Phone - 1 year
   - Batteries - 1 year
   - Leather Case/Pouch/Holster - 90 Days
   - Game Pad - 90 Days
   - Other Phone Accessories - 1 year

2. **What is Not Covered?**
   The limited warranty is conditioned upon proper use of Product by Purchaser. This limited warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical, or electromechanical stress, modifications of any part of the Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal usage; (d) malfunctions resulting from the use of Product in conjunction with the accessories, products, ancillary, or peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of product, or (g) Product used or purchased outside the

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3. What are SAMSUNG's Obligations?

During the applicable warranty period, SAMSUNG will repair or replace at SAMSUNG's sole option, without charge to purchaser, any defective component part of the phone or accessory. To obtain service under this limited warranty, purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable proof of sale showing the date of purchase, the serial number of Product, and the seller's name and address. To obtain information on where to deliver the phone or accessory, call your service provider or Samsung Customer Care at (888) 987-4357. Upon receipt, SAMSUNG will promptly repair the defective product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned, or new product. Repaired products will be warranted for a period equal to the remainder of the original limited warranty on the original product or for 90 days, whatever is longer. All replaced parts, components, boards, and equipment

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